Mobil™

Alert

Unit ID: **4-RK-2** Asset ID: **51064962**

Description: **Kiln 1 Drive Pinion Gear**

Account Information

ID: **402009**

Name: **Greer Lime**

Address: **1088 Germany Valley Limestone Road, Riverton, WV 26814-0000 US**

Parent Account: **MATTHEWS LUBRICANTS, INC.**

Sample Information

Sample ID: **25345541002**

Service Level: **Enhanced**

Bottle ID: **b051028476**

Tested Lubricant: **MOBIL SHC GEAR 6800**

Equipment Information

Asset Class: **Gear Drive**

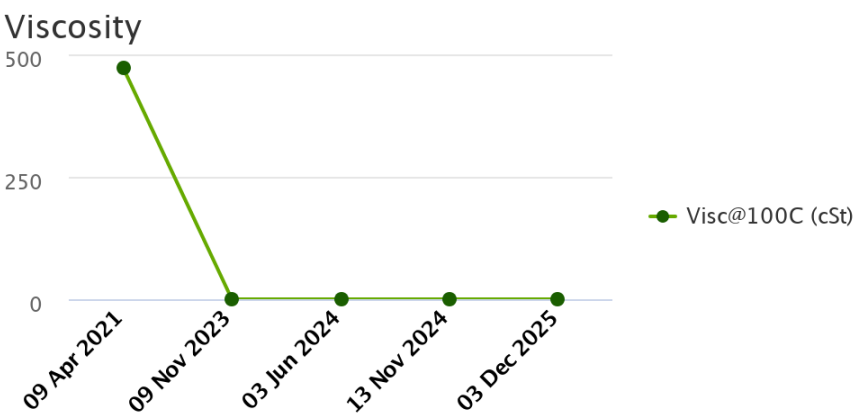
Manufacturer:

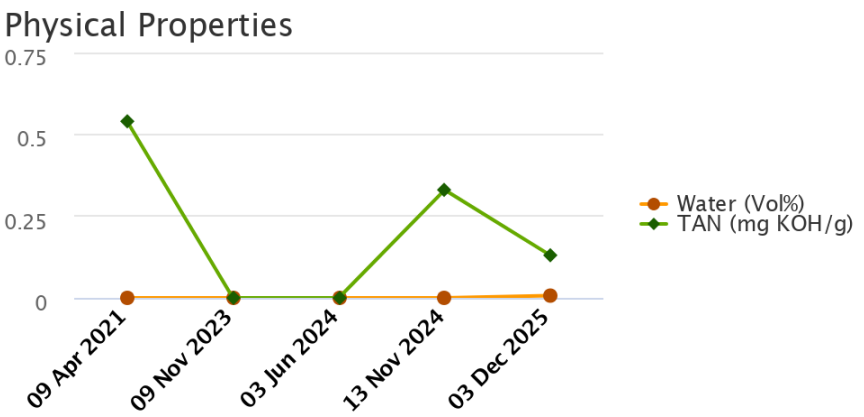
Model:

Lubricant: **MOBIL SHC GEAR 6800**

Sample Data & Trends

Sample Info	Report Status	Alert	Normal	Normal	Caution	Alert
	Sample ID	21105560001	23321550024	24163536008	24330642001	25345541002
	Service Level	Enhanced	Enhanced	Enhanced	Enhanced	Enhanced
	Bottle ID	b034319557	b051037900	b051052984	b051050141	b051028476
	Tested Lubricant	MOBIL SHC GEAR 6800	MOBIL SHC GEAR 6800	MOBIL SHC GEAR 6800	MOBIL SHC GEAR 6800	MOBIL SHC GEAR 6800
	Sampled	09 Apr 2021	09 Nov 2023	03 Jun 2024	13 Nov 2024	03 Dec 2025
	Reported	19 Apr 2021	21 Nov 2023	19 Jun 2024	27 Nov 2024	17 Dec 2025
	Equipment Age					
	Oil Age					
	Make-up Volume					
	Oil Changed					
	Filter Changed					
Lubricant	Contamination Rating	Normal	Normal	Normal	Caution	Normal
	Equipment Rating	Alert	Normal	Normal	Normal	Alert
	Lubricant Rating	Alert	Normal	Normal	Normal	Caution
	PQ Index	799				2280
	Visc@100C (cSt)	472.5				
	TAN (mg KOH/g)	0.54			0.33	0.13
	Water (Vol%)	<0.003				0.007
Wear (ppm)	Ag (Silver)	0				
	Al (Aluminum)	10				
	Cr (Chromium)	2				
	Cu (Copper)	0				
	Fe (Iron)	311				
	Mo (Molybdenum)	1				
	Ni (Nickel)	5				
	Pb (Lead)	0				
	Sn (Tin)	0				
Contaminant (ppm)	K (Potassium)	7				
	Na (Sodium)	2				
	Si (Silicon)	39				
Additive (ppm)	B (Boron)	27				
	Ba (Barium)	3				
	Ca (Calcium)	689				
	Mg (Magnesium)	14				
	P (Phosphorus)	149				
	Zn (Zinc)	4				





Recommendation/Comments

ACTION REQUIRED - EXCESSIVE FERROUS DEBRIS. Determine cause of ferrous debris and take corrective action. If the ferrous debris level is elevated for the first time with no history of an increasing trend, then resample immediately to confirm condition. Potential causes of excessive ferrous debris include: a. Abnormal metallic component wear caused by abrasive dirt (or other contaminants); b. Material fatigue from heavy loads or other adverse operating conditions; c. Corrosive wear due to water, acids, or other contaminants in the lubricant; d. Normal "break-in" wear of new or recently replaced equipment. Inspect the equipment for signs of damage. Change the oil after corrective

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Model:

Lubricant: **MOBIL SHC GEAR 6800**

Continued

measures have been implemented. Contact your ExxonMobil representative for further assistance if necessary.

ADMINISTRATION - UNTESTABLE SAMPLE. Tests were not able to be performed due to unusual properties of the oil and / or contamination with a non-oil substance. Oil samples that contain significant levels of coolant, ammonia, grease, or other non-oil substances can damage the laboratory's precision equipment. As a result, tests were not completed, and analysis was not provided. Before sending future ensure that no outside contamination was introduced into the original sample. Contact your ExxonMobil representative for assistance if necessary.

ACTION REQUIRED – EXCESSIVE CONTAMINATION. Due to the nature or condition of the sample, viscosity could not be performed. Oil samples that contain significant amounts of contaminants (i.e. water, fuel, coolant) and/or insolubles (i.e. soot, glycol) do not comply with the operating limitations of the laboratory equipment responsible for conducting viscosity tests. Before sending future samples to the laboratory, please ensure that no signs of excessive visible contamination are present. Oil samples should not be collected from the bottoms of a filter unit, tank, or crankcase due to the heavy concentrations of sediment that can deposit in these areas (resulting in a sample that is not representative of the system). Contact your ExxonMobil representative for further assistance.

Sample Timeline

- 03 Dec 2025 9:59 PM UTC - Shawn Turner - In Service Oil Sample Comments: Photo: