



OIL REPORT

LAB NUMBER: S084369

UNIT ID: N113NG-GB

REPORT DATE: 7/17/2024

CLIENT ID: 155986

CODE: 20/227

PAYMENT: PO: PO24-00031

UNIT

MAKE/MODEL: Austro E4 Gear box

FUEL TYPE:

ADDITIONAL INFO: Diamond DA40-NG, S/N: E4-A-06838

OIL TYPE & GRADE: Shell Spirax S6 GXME 75W/80

OIL USE INTERVAL: 98 Hours

CLIENT

SEAN GALLINAT

LIFT MAINTENANCE

2753 CARGO DRIVE, HANGAR 6

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COMMENTS

SEAN: Wear metals read in line with universal averages, which for Austro E4 gear boxes are based on 120 hours on the oil. Silicon was low, so it doesn't look like there's much sealer in the oil at this point in time, despite the low hours on the unit. No water was found, and insolubles were below detection limits in this 75W/80. Nice.

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	98	UNIT / LOCATION AVERAGES							UNIVERSAL AVERAGES
	MI/HR on Unit	98								
	Sample Date	6/14/2024								
	Make Up Oil Added									
	ALUMINUM	1		0						
	CHROMIUM	0		0						
	IRON	3		3						
	COPPER	6		4						
	LEAD	0		0						
	TIN	0		0						
	MOLYBDENUM	0		0						
	NICKEL	0		0						
	MANGANESE	0		0						
	SILVER	0		0						
	TITANIUM	0		0						
	POTASSIUM	1		0						
	BORON	1		2						
	SILICON	3		4						
	SODIUM	3		2						
	CALCIUM	727		771						772
	MAGNESIUM	2		3						3
	PHOSPHORUS	532		559						559
	ZINC	3		5						6
	BARIUM	0		0						0

Values
Should Be*

PROPERTIES	SUS Viscosity @ 210°F	55.0	49-62					
	cSt Viscosity @ 100°C	8.77	7.0-11.1					
	Flashpoint in °F	470	>380					
	Fuel %	-						
	Antifreeze %	-						
	Water %	0.0	0.0					
	Insolubles %	0.0	<0.6					
	TBN							
	TAN							
	ISO Code							

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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