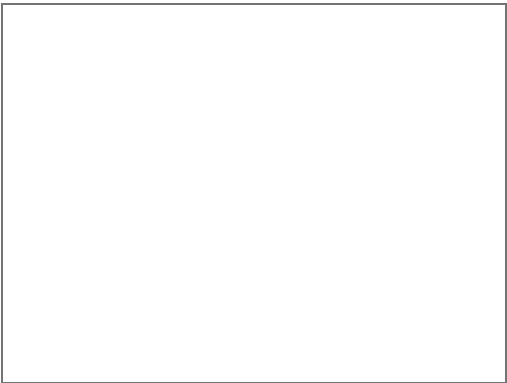


BULK INDEPENDENCE [9374002]

M/E L.O. SETTLING TANK [-]

Manufacturer	: NOT APPLICABLE	Model	: N.A.
Port Landed	: Netherlands	Volume[ltr]	:
Fuel Grade / S%	:	Dispatched	: 02-Oct-23
Recommended	: NAVIGO 6 CO	Received	: 05-Oct-23

		Sample Details	1 (Current)	2	3
		Rating	Normal		
		Sample No	23098209		
		Bottle No	50333166		
		Sampled Date	26-Sep-23		
		Oil Grade In Use	NAVIGO 6 CO		
		Unit Service Hrs	75148		
		Oil Service Hrs	Not Stated		
		Daily Makeup[ltr]	Not Stated		
New Oil	Alert Value.	Analysis			
100		Appearance	Dark		
11.5	<9.3 or>15.5*	KV@40°C[mm²/s]	118.9		
6	<2 or>30*	KV@100°C[mm²/s]	12.61		
	<170*	BN[mgKOH/g]	8.9		
	>1.2*	Flash Point[°C]	>200		
	>0.5*	Soot/Insoluble[%wt]	0.20		
		Water[%wt]	0.07		
		PQ Index/2ml	<10		
		Wear Elemental [ppm]			
	>100*	Aluminium (Al)	2		
	>50*	Chromium (Cr)	<1		
	>100*	Copper (Cu)	4		
	>200*	Iron (Fe)	14		
	>100*	Lead (Pb)	<1		
	>100*	Tin (Sn)	<1		
		Contaminant Elemental [ppm]			
		Boron (B)	6		
	>250*	Sodium (Na)	22		
	>100*	Silicon (Si)	7		
		Molybdenum (Mo)	<1		
		Nickel (Ni)	3		
		Silver (Ag)	<1		
		Vanadium (V)	3		
		Additive Elements [ppm]			
		Calcium (Ca)	3524		
		Phosphorus (P)	466		
		Zinc (Zn)	528		
		Magnesium (Mg)	17		



Oil Rating:
The oil is fit for further use provided the landed used oil sample is representative for the application.

Unit Rating:
Wear rate is normal; no abnormalities are evident.

Action:
No action required.

Alert Value : * Indicate Oil supplier/operator critical limits.
Support : technical @lukoil.com

Dated: 12-Mar-2024