



## 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		KV@40°C[mm²/s]	118.9		
6	<9.3 or>15.5*	KV@100°C[mm²/s]	12.61		
	<2 or>30*	BN[mgKOH/g]	8.9		
	<170*	Flash Point[°C]	>200		
	>1.2*	Soot/Insoluble[%wt]	0.20		
	>0.5*	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