VOLVO

CONSTRUCTION EQUIPMENT 661395 TORO DINGO 412764213 - DIESEL ENGINE



Sample No: VCP445310 Oil Type: VOLVO ULT

Oil Type:	VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No:	661395

SAMPLE INFORMATION

ppm

ppm

ppm

27

3

2

Silicon

Sodium

/12

Potassium

Sample Number	VCP445310	 	
Sample Date	11 Mar 2024	 	
Machine Hours	291	 	
Oil Hours	291	 	
Oil Changed	Changed	 	
Sample Status	ATTENTION	 	
OIL CONDITION			
Visc @ 100°C cSt	11.2	 	
Base Number (BN) mg KOH	/g 8.9	 	
Oxidation (PA) %	60	 	
Water %	NEG	 	
Soot %	0.3	 	
Nitration (PA) %	60	 	
Sulfation (PA) %	52	 	
Glycol %	NEG	 	
Fuel %	0.8	 	



FERROUS PROCESSING AND TRADING

3400 E LAFAYETTE DETROIT, MI US 48207 Contact: KEITH HALL keith.hall@fpt1.com T: E:

Diagnosis

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.Metal levels are typical for a new component breaking in. Fuel content negligible. There is no indication of any contamination in the oil. The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

WEAR I	METALS			
Iron	ppm	34	 	
Copper	ppm	8	 	
Lead	ppm	□<1	 	
Tin	ppm	1	 	
Aluminum	ppm	6	 	
Chromium	ppm	2	 	
Molybdenum	ppm	61	 	
Nickel	ppm		 	
Titanium	ppm	<1	 	
Silver	ppm	0	 	
Manganese	ppm	2	 	
Vanadium	ppm	<1	 	

ADDITIVES					
Calcium	ppm	🔲 1391			
Magnesium	ppm	775			
Zinc	ppm	1185			
Phosphorus	ppm	1015			
Barium	ppm	2			
Boron	ppm	1 4			

 Depot:
 FERDET

 Unique No:
 10937567

 Signed:
 Don Baldridge

 Report Date:
 22 Mar 2024

Report Id: FERDET [WUSCAR] 06123416 (Generated: 03/22/2024 12:46:47) Rev: 1

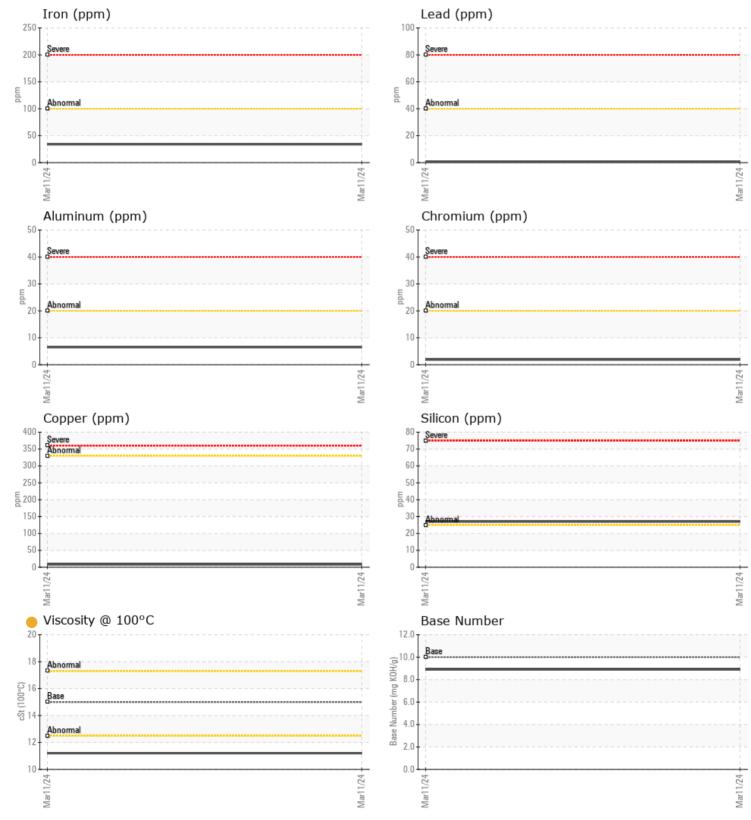
Contact/Location: KEITH HALL - FERDET

CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO



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