Sample No: VCP454033

Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3

Job No: SW-36287-2 GRANT MAC

VOLVO					
SAMPLE IN	NFORMATION				
Sample Number	-	VCP454033			
Sample Date		19 Jun 2024			
Machine Hours		2065			
Oil Hours		1000			
Oil Changed		Changed			
Sample Status		NORMAL			
OIL CONDI.	TION				
Visc @ 100°C	cSt	12.0			
Base Number (BN)		4.9			
Oxidation (PA)	%	47			
Oxidation (FA)	70	47			
VOLVO					
CONTAMIN	NATION				
Water	%	NEG			
Soot %	%	■0.1			
Nitration (PA)	%	59			
Sulfation (PA)	%	57			
Glycol	%	NEG			
Fuel	%	■0.8			
Silicon	ppm	6			
Sodium	ppm	■ 5			
Potassium	ppm	2			
VOLVO					
WEAR METALS					
Iron	ppm	■8			
Copper	ppm	■9			
Lead	ppm	■ <1			
Tin	ppm	<u> </u>			
Aluminum	ppm	■3			
Chromium	ppm	■ <1			
Molybdenum	ppm	10			
Nickel	ppm				
Titanium	ppm	<1			
Silver	ppm	■ 0			
Manganese	ppm	■<1			
Vanadium	ppm	<1			
ADDITIVES					
Calcium		2337			
Magnesium	ppm	83			
Zinc		■ 1149			
Phosphorus	ppm	■ 900			
Barium	ppm	■0			
Darium	PPIII				

ARNOLD MACHINERY COMPANY

2975 WEST 2100 SOUTH
SALT LAKE CITY, UT
US 84119
Contact: TONY PAYAN
tpayan@arnoldmachinery.com
T: (801)972-4000
F: (801)975-9434

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor.All component wear rates are normal. Fuel content negligible. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

 Depot:
 VOLVO8770

 Unique No:
 11100171

 Signed:
 Wes Davis

 Report Date:
 01 Jul 2024

ppm

Boron



CONSTRUCTION EQUIPMENT





