Sample No: VCP397012

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

Job No: SW-33680-2 RAMSEY

VOLVO				
SAMPLE IN	NFORMATION			
Sample Number	-	VCP397012	VCP446701	
Sample Date		08 May 2024	04 Mar 2024	
Machine Hours		1011	530	
Oil Hours		500	530	
Oil Changed		Changed	Changed	
Sample Status		ATTENTION	ATTENTION	
OIL CONDI.	TION			
_	_		10.0	
Visc @ 100°C	cSt	12.1	10.8	
Base Number (BN)		6.0	5.0	
Oxidation (PA)	%	48	61	
VOLVO				
CONTAMIN	NATION			
Water	%	NEG	NEG	
Soot %	%	■0.8	0.7	
Nitration (PA)	%	66	83	
Sulfation (PA)	%	56	55	
Glycol	%	NEG	NEG	
Fuel	%	<1.0	□0.7	
Silicon	ppm	■14	3 9	
Sodium	ppm	15	2	
Potassium	ppm	4	1 3	
	PP			
VOLVO	TALC			
WEAR ME	IAL2			
Iron	ppm	■ 29	■39	
Copper	ppm	155	242	
Lead	ppm	1	_1	
Tin	ppm	■ 3	6	
Aluminum	ppm	■3	4	
Chromium	ppm	1	2	
Molybdenum	ppm	■33	■97	
Nickel	ppm	2	4	
Titanium	ppm	1	<1	
Silver	ppm	■0	- <1	
Manganese	ppm	■ <1	2	
Vanadium	ppm	<1	<1	
VOLVO				
ADDITIVE!	7			
Calcium		2062	2297	
Magnesium	ppm	2002	32	
Zinc		■210 ■1057	1147	
Phosphorus	ppm	■ 105 <i>7</i> ■ 940	1002	
Barium	ppm	■ 940 ■ <1	□ 1002 □ 0	
Dailuili	ppm			

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

Resample at the next service interval to monitor. All component wear rates are normal. 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.

Depot:VOLVO8770Unique No:11031021Signed:Sean FeltonReport Date:17 May 2024

ppm

Boron



CONSTRUCTION EQUIPMENT





