



CONSTRUCTION EQUIPMENT

VOLVO L70H 622539 (S/N 625539) - DIESEL ENGINE



Sample No: VCP441828
Oil Type: MOBIL 15W40
Job No:



SAMPLE INFORMATION

Sample Number	VCP441828	VCP375754	---	---
Sample Date	01 May 2024	15 Dec 2022	---	---
Machine Hours	12770	10491	---	---
Oil Hours	500	500	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

EHC CONSTRUCTION

2945 VAN BUREN ST
 FORT MYERS, FL
 US 33913
 Contact: MATT HUNT
 mhunt@ehcconstruction.com
 T: (239)253-9285
 F:



OIL CONDITION

Visc @ 100°C	cSt	13.6	13.8	---	---
Base Number (BN)	mg KOH/g	8.1	10.5	---	---
Oxidation (PA)	%	67	71	---	---

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 BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.



CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	0.3	0.3	---	---
Nitration (PA)	%	75	78	---	---
Sulfation (PA)	%	55	60	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	8	4	---	---
Sodium	ppm	1	<1	---	---
Potassium	ppm	2	<1	---	---



WEAR METALS

Iron	ppm	15	9	---	---
Copper	ppm	2	<1	---	---
Lead	ppm	<1	0	---	---
Tin	ppm	<1	<1	---	---
Aluminum	ppm	5	3	---	---
Chromium	ppm	1	<1	---	---
Molybdenum	ppm	65	64	---	---
Nickel	ppm	<1	0	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	<1	---	---
Vanadium	ppm	<1	0	---	---



ADDITIVES

Calcium	ppm	1126	1218	---	---
Magnesium	ppm	902	994	---	---
Zinc	ppm	1206	1326	---	---
Phosphorus	ppm	987	1086	---	---
Barium	ppm	0	0	---	---
Boron	ppm	7	5	---	---

Depot: EHCFOR
Unique No: 11015853
Signed: Wes Davis
Report Date: 07 May 2024



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GRAPHS

