



CONSTRUCTION EQUIPMENT

A12634 VOLVO A35G 352266 - DROP BOX



Sample No: VCP454457
Oil Type: MOBIL MOBILUBE HD 80W90
Job No: A12634



SAMPLE INFORMATION

Sample Number	VCP454457	VCP439378	---	---
Sample Date	12 Jun 2024	16 Apr 2024	---	---
Machine Hours	893	555	---	---
Oil Hours	50	555	---	---
Oil Changed	Not Chngd	Not Chngd	---	---
Sample Status	ABNORMAL	SEVERE	---	---

JAMES J ANDERSON
 6958 TORRESDALE AVENUE
 PHILADELPHIA, PA
 US 19135
 Contact: JOHN HERBUT
 herb@jjaconstruction.com
 T: (215)850-9051
 F: (215)427-0208



OIL CONDITION

Visc @ 40°C	cSt	█ 141	█ 53.5	---	---
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CONTAMINATION

Water	%	NEG	▲ 2.26	---	---
Silicon	ppm	█ 12	█ 36	---	---
Sodium	ppm	█ 3	█ 13	---	---
Potassium	ppm	█ 4	█ 16	---	---

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. The copper level has decreased, but is still abnormal. All other component wear rates are normal. The water content is negligible. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	█ 254	▲ 522	---	---
Copper	ppm	▲ 34	▲ 126	---	---
Lead	ppm	█ 0	█ 0	---	---
Tin	ppm	█ 0	█ 1	---	---
Aluminum	ppm	█ <1	█ <1	---	---
Chromium	ppm	█ 4	█ 6	---	---
Molybdenum	ppm	█ 38	56	---	---
Nickel	ppm	█ <1	█ 3	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	█ 8	10	---	---
Vanadium	ppm	<1	0	---	---



ADDITIVES

Calcium	ppm	█ 75	61	---	---
Magnesium	ppm	█ 15	12	---	---
Zinc	ppm	█ 105	337	---	---
Phosphorus	ppm	█ 1328	2313	---	---
Barium	ppm	█ 4	7	---	---
Boron	ppm	█ 21	172	---	---

Depot: JAAPHI
Unique No: 11088953
Signed: Don Baldrige
Report Date: 23 Jun 2024



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GRAPHS

