



CONSTRUCTION EQUIPMENT

25372 VOLVO EC350 314351 - REAR LEFT FINAL DRIVE



Sample No: VCP447670
Oil Type: VOLVO SUPER GEAR OIL 75W-80-GO102
Job No: 25372



SAMPLE INFORMATION

Sample Number	VCP447670	VCP404625	---	---
Sample Date	08 May 2024	30 Jun 2023	---	---
Machine Hours	3037	1914	---	---
Oil Hours	0	2000	---	---
Oil Changed	Not Chngd	Changed	---	---
Sample Status	SEVERE	SEVERE	---	---

218 - ASCENDUM MACHINERY INC - N. CHARLESTON
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OIL CONDITION

Visc @ 40°C	cSt	70.6	184	---	---
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CONTAMINATION

Water	%	0.358	NEG	---	---
Silicon	ppm	285	382	---	---
Sodium	ppm	2	2	---	---
Potassium	ppm	1	3	---	---



WEAR METALS

Iron	ppm	2829	1338	---	---
Copper	ppm	4	2	---	---
Lead	ppm	0	0	---	---
Tin	ppm	0	<1	---	---
Aluminum	ppm	38	48	---	---
Chromium	ppm	33	32	---	---
Molybdenum	ppm	4	3	---	---
Nickel	ppm	2	2	---	---
Titanium	ppm	5	6	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	18	15	---	---
Vanadium	ppm	<1	<1	---	---



ADDITIVES

Calcium	ppm	40	13	---	---
Magnesium	ppm	<1	3	---	---
Zinc	ppm	53	2	---	---
Phosphorus	ppm	1654	291	---	---
Barium	ppm	0	<1	---	---
Boron	ppm	101	0	---	---

Diagnosis

We advise that you check all areas where dirt can enter the system. We advise that you check for the source of water entry. We recommend that you drain the oil from the component if this has not already been done. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. Gear wear is indicated. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. There is a moderate concentration of water present in the oil. The oil is no longer serviceable due to the presence of contaminants.

Depot: VOLVO3387
Unique No: 11030476
Signed: Sean Felton
Report Date: 16 May 2024



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GRAPHS

