



CONSTRUCTION EQUIPMENT

SWO-064209 EPIROC T45 AV014A1117 - REAR LEFT FINAL DRIVE



Sample No: VCP418150
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: SWO-064209



SAMPLE INFORMATION

Sample Number	VCP418150	VCP402488	VCP253584	---
Sample Date	24 Jul 2023	16 Mar 2023	25 Jun 2020	---
Machine Hours	11559	10872	8983	---
Oil Hours	0	0	0	---
Oil Changed	Not Chngd	Changed	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---

WHITAKER CONTRACTING
 692 CONVICT CAMP RD
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 T: (256)298-3905
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OIL CONDITION

Visc @ 40°C	cSt	262	287	286	---
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CONTAMINATION

Silicon	ppm	24	51	19	---
Sodium	ppm	1	4	4	---
Potassium	ppm	1	3	5	---

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 condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	96	175	125	---
Copper	ppm	10	20	31	---
Lead	ppm	0	0	0	---
Tin	ppm	<1	<1	0	---
Aluminum	ppm	4	10	2	---
Chromium	ppm	1	3	3	---
Molybdenum	ppm	5	<1	1	---
Nickel	ppm	0	<1	1	---
Titanium	ppm	0	<1	<1	---
Silver	ppm	<1	0	0	---
Manganese	ppm	<1	2	2	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	113	120	153	---
Magnesium	ppm	25	11	4	---
Zinc	ppm	94	83	70	---
Phosphorus	ppm	957	966	697	---
Barium	ppm	0	0	<1	---
Boron	ppm	155	130	28	---

Depot: WHIGUN
Unique No: 10577013
Signed: Wes Davis
Report Date: 31 Jul 2023



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GRAPHS

