



CONSTRUCTION EQUIPMENT

701481 VOLVO A45G 352411 - DROP BOX



Sample No: VCP446498
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: 701481



SAMPLE INFORMATION

Sample Number	VCP446498	VCP404123	VCP427061	VCP377158
Sample Date	10 Apr 2024	22 Nov 2023	19 Jun 2023	30 Apr 2022
Machine Hours	6878	6275	5591	3478
Oil Hours	0	0	0	0
Oil Changed	Changed	Not Changd	Changed	Not Changd
Sample Status	NORMAL	NORMAL	ABNORMAL	ABNORMAL

ORANGE COUNTY SOLID WASTE
 5901 YOUNG PINE ROAD
 ORLANDO, FL
 US 32829
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OIL CONDITION

Visc @ 40°C	cSt	227	226	59.7	45.3
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	10	9	41	▲ 51
Sodium	ppm	3	2	7	10
Potassium	ppm	2	1	6	7

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	483	356	▲ 955	▲ 812
Copper	ppm	6	5	13	17
Lead	ppm	<1	0	0	<1
Tin	ppm	<1	0	0	<1
Aluminum	ppm	<1	<1	<1	2
Chromium	ppm	5	3	7	6
Molybdenum	ppm	8	5	6	5
Nickel	ppm	2	2	3	3
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	<1
Manganese	ppm	7	5	15	16
Vanadium	ppm	<1	0	0	0

ADDITIVES

Calcium	ppm	50	63	66	63
Magnesium	ppm	9	13	7	5
Zinc	ppm	84	83	194	233
Phosphorus	ppm	1021	1160	1713	2101
Barium	ppm	0	0	0	0
Boron	ppm	99	93	65	108

Depot: ORAORL
Unique No: 10991846
Signed: Wes Davis
Report Date: 23 Apr 2024



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GRAPHS

