



CONSTRUCTION EQUIPMENT

8769 VOLVO A40G 341642 - DROP BOX



Sample No: VCP454007
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: 8769



SAMPLE INFORMATION

Sample Number	VCP454007	VCP406027	VCP318118	VCP320618
Sample Date	14 Feb 2024	12 Apr 2023	12 Feb 2022	05 Aug 2021
Machine Hours	11980	10853	8928	8335
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Not Chngd
Sample Status	ABNORMAL	SEVERE	ABNORMAL	NORMAL

ORANGE COUNTY SOLID WASTE
 5901 YOUNG PINE ROAD
 ORLANDO, FL
 US 32829
 Contact: MICHAEL BEEBE
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 T: (407)836-6652
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OIL CONDITION

Visc @ 40°C	cSt	373	192	268	262.3
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	▲ 74	11	15	14
Sodium	ppm	0	<1	4	5
Potassium	ppm	3	2	16	16

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. Gear wear is indicated. Elemental level of silicon (Si) above normal indicating ingress of seal material. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	▲ 689	1900	499	169
Copper	ppm	2	2	4	3
Lead	ppm	0	0	<1	0
Tin	ppm	0	0	<1	0
Aluminum	ppm	2	2	2	0
Chromium	ppm	7	▲ 20	7	3
Molybdenum	ppm	10	5	13	15
Nickel	ppm	2	3	1	1
Titanium	ppm	<1	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	6	13	10	3
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	40	80	208	262
Magnesium	ppm	4	10	60	80
Zinc	ppm	52	25	149	181
Phosphorus	ppm	965	170	898	1003
Barium	ppm	<1	0	0	0
Boron	ppm	123	21	81	119

Depot: ORAORL
Unique No: 10888731
Signed: Sean Felton
Report Date: 23 Feb 2024



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GRAPHS

