



CONSTRUCTION EQUIPMENT

7198 IMERYS REFRAC VOLVO A30G 742632 - DIESEL ENGINE



Sample No: VCP437787
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 7198 IMERYS REFRAC



SAMPLE INFORMATION

Sample Number	VCP437787	VCP401596	VCP388750	VCP319996
Sample Date	11 Dec 2023	31 Jan 2023	21 Sep 2022	28 Mar 2022
Machine Hours	4084	2252	2579	2052
Oil Hours	0	2252	2579	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	ATTENTION	ATTENTION	ATTENTION	ATTENTION

364 - ASCENDUM MACHINERY INC - MACON
 4807 HARRISON RD
 MACON, GA
 US 31206
 Contact: HALIE BAKER
 halie.baker@ascendummachinery.com
 T:
 F: (478)200-5859



OIL CONDITION

Visc @ 100°C	cSt	▲ 11.8	▲ 11.8	▲ 11.8	▲ 11.8
Base Number (BN)	mg KOH/g	■ 9.5	■ 10.4	■ 10.2	■ 10.5
Oxidation (PA)	%	80	78	86	86



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Soot %	%	■ 0.3	■ 0.2	■ 0.4	■ 0.4
Nitration (PA)	%	62	63	73	72
Sulfation (PA)	%	60	61	68	67
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	■ 5	■ 6	■ 6	■ 6
Sodium	ppm	■ 1	■ 2	■ 3	■ 2
Potassium	ppm	■ 0	■ 0	■ 0	■ 0



WEAR METALS

Iron	ppm	■ 5	■ 9	■ 11	■ 12
Copper	ppm	■ <1	■ 1	■ 2	■ 5
Lead	ppm	■ 0	■ <1	■ <1	■ <1
Tin	ppm	■ <1	■ 1	■ <1	■ 1
Aluminum	ppm	■ 1	■ 2	■ 2	■ 2
Chromium	ppm	■ 0	■ <1	■ <1	■ <1
Molybdenum	ppm	■ 37	■ 48	■ 38	■ 40
Nickel	ppm	■ 0	■ 0	■ 0	■ 0
Titanium	ppm	0	0	<1	<1
Silver	ppm	■ 0	■ 0	0	<1
Manganese	ppm	■ <1	■ <1	■ <1	■ <1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	■ 1522	■ 1879	■ 1609	■ 1690
Magnesium	ppm	■ 502	■ 571	■ 479	■ 522
Zinc	ppm	■ 1079	■ 1275	■ 1046	■ 1097
Phosphorus	ppm	■ 844	■ 1051	■ 876	■ 963
Barium	ppm	■ 0	■ 0	■ 0	■ 0
Boron	ppm	■ 33	■ 46	■ 34	■ 37

Diagnosis

The oil change at the time of sampling has been noted. 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 oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

Depot: ASCMAC
Unique No: 10843967
Signed: Angela Borella
Report Date: 23 Jan 2024



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GRAPHS

