



CONSTRUCTION EQUIPMENT

TMR-LANDSTREET 715547 562176 VOLVO EC380 314718 - DIESEL ENGINE



Sample No: VCP449661
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 715547



SAMPLE INFORMATION

Sample Number	VCP449661	VCP454188	VCP430830	VCP434701
Sample Date	08 May 2024	13 Feb 2024	01 Nov 2023	28 Aug 2023
Machine Hours	4523	4040	3528	3229
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Not Changd
Sample Status	ATTENTION	ATTENTION	ATTENTION	ATTENTION

TRADEMARK METALS RECYCLING - ORLANDO - LANDSTREET
 51 EAST LANDSTREET ROAD
 ORLANDO, FL
 US 32824
 Contact: RYAN BOWDEN

OIL CONDITION

Visc @ 100°C	cSt	12.3	12.0	12.2	12.2
Base Number (BN)	mg KOH/g	8.9	8.8	9.9	---
Oxidation (PA)	%	82	87	83	86

T:
 F: (407)855-3118

Diagnosis

Oil and filter 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.

CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0.1	0.1	0.1	0.1
Nitration (PA)	%	65	69	58	67
Sulfation (PA)	%	60	60	60	62
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	5	5	4	5
Sodium	ppm	<1	0	2	3
Potassium	ppm	2	1	<1	<1

WEAR METALS

Iron	ppm	5	4	3	11
Copper	ppm	1	<1	<1	2
Lead	ppm	1	<1	0	0
Tin	ppm	1	<1	<1	<1
Aluminum	ppm	2	2	1	<1
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	42	39	45	43
Nickel	ppm	<1	<1	0	0
Titanium	ppm	<1	<1	0	0
Silver	ppm	<1	0	0	0
Manganese	ppm	<1	0	<1	<1
Vanadium	ppm	<1	0	0	0

ADDITIVES

Calcium	ppm	1645	1472	1758	1795
Magnesium	ppm	518	456	574	543
Zinc	ppm	1122	1015	1247	1185
Phosphorus	ppm	962	896	1004	966
Barium	ppm	0	10	0	0
Boron	ppm	31	29	40	32

Depot: TRAORLFL
Unique No: 11035296
Signed: Sean Felton
Report Date: 21 May 2024



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VOLVO GRAPHS

