



CONSTRUCTION EQUIPMENT

TMR-LANDSTREET 714781 562173 VOLVO L180H 5500 - DIESEL ENGINE



Sample No: VCP449818
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 714781



SAMPLE INFORMATION

Sample Number	VCP449818	VCP447991	DJJ0009627	VCP395893
Sample Date	01 May 2024	13 Feb 2024	13 Apr 2023	08 Mar 2023
Machine Hours	10716	10264	8192	7663
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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



OIL CONDITION

Visc @ 100°C	cSt	13.1	12.9	12.6	13.1
Base Number (BN)	mg KOH/g	9.8	9.0	8.7	9.7
Oxidation (PA)	%	80	84	75	58

T:
 F: (407)855-3118

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 BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0.1	0.2	0.1	0.1
Nitration (PA)	%	51	62	48	49
Sulfation (PA)	%	60	61	54	52
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	5	3	3	1
Sodium	ppm	<1	<1	<1	0
Potassium	ppm	2	2	2	2



WEAR METALS

Iron	ppm	5	8	3	3
Copper	ppm	4	8	<1	2
Lead	ppm	<1	<1	<1	<1
Tin	ppm	<1	<1	<1	<1
Aluminum	ppm	2	4	0	1
Chromium	ppm	<1	<1	0	0
Molybdenum	ppm	43	40	44	59
Nickel	ppm	<1	1	0	<1
Titanium	ppm	<1	<1	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	0	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	1628	1494	1673	1213
Magnesium	ppm	511	439	472	881
Zinc	ppm	1088	1060	1103	1234
Phosphorus	ppm	859	911	916	1046
Barium	ppm	0	10	0	2
Boron	ppm	40	28	34	6

Depot: TRAORLFL
Unique No: 11018539
Signed: Wes Davis
Report Date: 09 May 2024



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VOLVO GRAPHS

