



CONSTRUCTION EQUIPMENT

702593 5729 VOLVO L180 5729 - DIESEL ENGINE



Sample No: VCP449807
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 702593



SAMPLE INFORMATION

Sample Number	VCP449807	VCP446632	VCP430601	VCP413308
Sample Date	22 Apr 2024	13 Feb 2024	04 Dec 2023	15 Aug 2023
Machine Hours	3545	2754	2153	724
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

TRADEMARK METALS RECYCLING - SUTTON
 5220 DOVER STREET
 TAMPA, FL
 US 33619
 Contact: RYAN BOWDEN

OIL CONDITION

Visc @ 100°C	cSt	12.8	12.6	12.7	13.1
Base Number (BN)	mg KOH/g	9.3	9.8	9.3	10.4
Oxidation (PA)	%	84	81	84	73

T:
 F: (813)677-3007

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	0.1	0.1	0.1
Nitration (PA)	%	59	54	57	43
Sulfation (PA)	%	61	61	63	58
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	4	4	5	10
Sodium	ppm	1	<1	3	2
Potassium	ppm	2	1	<1	2

WEAR METALS

Iron	ppm	7	4	6	3
Copper	ppm	3	7	14	39
Lead	ppm	<1	0	0	<1
Tin	ppm	<1	<1	0	<1
Aluminum	ppm	3	2	1	1
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	40	38	43	46
Nickel	ppm	<1	0	0	0
Titanium	ppm	<1	<1	0	<1
Silver	ppm	0	0	0	<1
Manganese	ppm	0	0	0	<1
Vanadium	ppm	<1	0	0	<1

ADDITIVES

Calcium	ppm	1575	1491	1686	1736
Magnesium	ppm	509	451	504	505
Zinc	ppm	1096	1016	1160	1142
Phosphorus	ppm	907	913	932	934
Barium	ppm	0	10	0	0
Boron	ppm	27	40	36	72

Depot: TRATAMFL
Unique No: 11004808
Signed: Wes Davis
Report Date: 01 May 2024



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GRAPHS

