



CONSTRUCTION EQUIPMENT

659315 VOLVO A30 753369 - DIESEL ENGINE



Sample No: VCP437662
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 659315



SAMPLE INFORMATION

Sample Number	VCP437662	VCP432912	VCP412769	VCP411686
Sample Date	04 Jan 2024	23 Oct 2023	07 Aug 2023	03 Jul 2023
Machine Hours	1486	1052	509	255
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	ATTENTION	ATTENTION	ABNORMAL

BLUE GOOSE GROWERS
 16059 W ORANGE AVE
 FT PIERCE, FL
 US 34945
 Contact: SERVICE MANAGER

OIL CONDITION

Visc @ 100°C	cSt	12.6	12.4	12.1	11.2
Base Number (BN)	mg KOH/g	9.7	9.4	10.0	7.4
Oxidation (PA)	%	78	76	77	56

T: (772)461-3020
 F:

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 %	%	0.2	0.3	0.2	0.2
Nitration (PA)	%	55	62	54	73
Sulfation (PA)	%	60	60	60	52
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	0.5
Silicon	ppm	5	6	13	74
Sodium	ppm	0	2	<1	4
Potassium	ppm	1	2	<1	2

WEAR METALS

Iron	ppm	8	12	10	22
Copper	ppm	2	4	14	70
Lead	ppm	<1	0	<1	<1
Tin	ppm	1	<1	<1	2
Aluminum	ppm	2	2	<1	<1
Chromium	ppm	<1	<1	0	<1
Molybdenum	ppm	43	47	45	84
Nickel	ppm	1	<1	0	<1
Titanium	ppm	<1	<1	0	0
Silver	ppm	0	0	0	<1
Manganese	ppm	1	<1	1	5
Vanadium	ppm	0	<1	0	0

ADDITIVES

Calcium	ppm	1632	1451	1807	2187
Magnesium	ppm	517	630	437	26
Zinc	ppm	1111	1153	1144	1151
Phosphorus	ppm	818	974	912	983
Barium	ppm	0	0	0	0
Boron	ppm	44	19	46	57

Depot: BLUFOR
Unique No: 10821087
Signed: Wes Davis
Report Date: 10 Jan 2024

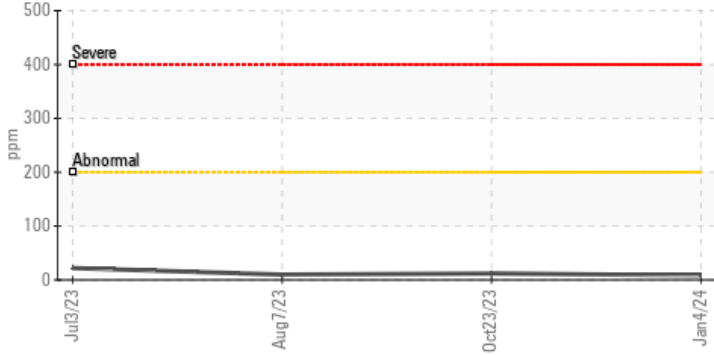


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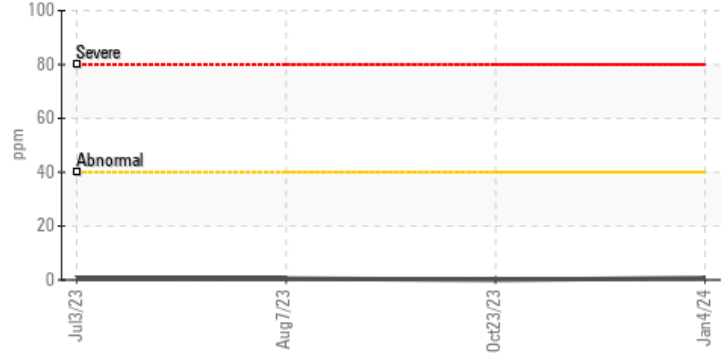


GRAPHS

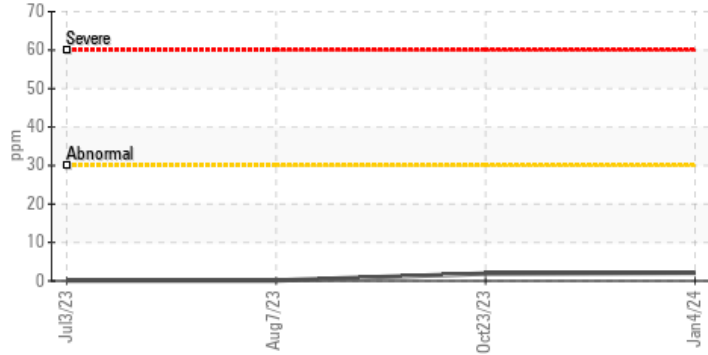
Iron (ppm)



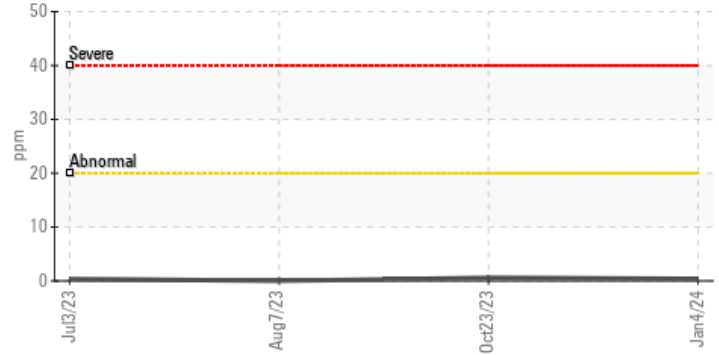
Lead (ppm)



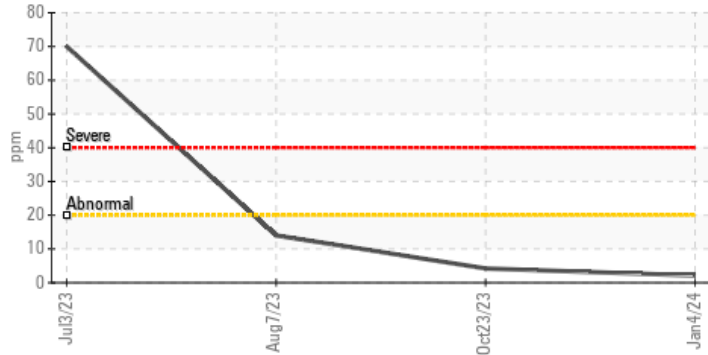
Aluminum (ppm)



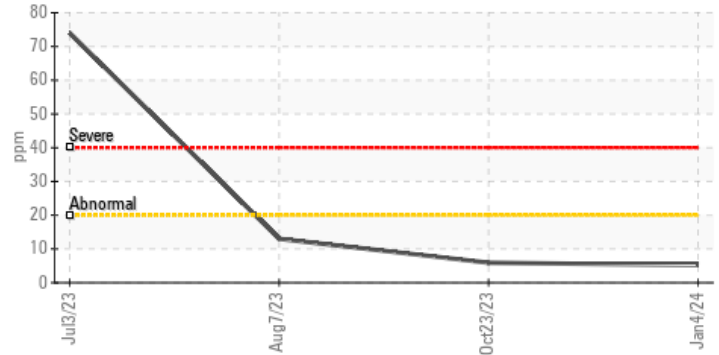
Chromium (ppm)



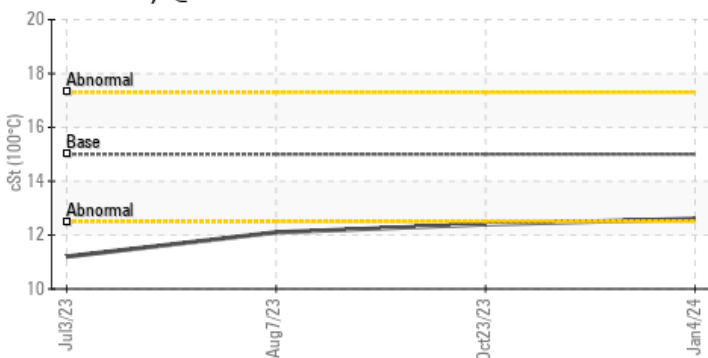
Copper (ppm)



Silicon (ppm)



Viscosity @ 100°C



Base Number

