



CONSTRUCTION EQUIPMENT

X48306 VOLVO EC380EL 311913 - REAR LEFT FINAL DRIVE



Sample No: VCP454732
Oil Type: GEAR OIL SAE 75W80
Job No: X48306



SAMPLE INFORMATION

Sample Number	VCP454732	VCP450957	VCP439333	VCP341441
Sample Date	21 Jun 2024	08 May 2024	21 Mar 2024	23 Jun 2022
Machine Hours	5991	6192	6188	4252
Oil Hours	0	0	0	0
Oil Changed	N/A	Not Changd	N/A	N/A
Sample Status	NORMAL	SEVERE	SEVERE	SEVERE

SCOTT EQUIPMENT COMPANY LLC - Lavergne
 1231 BRIDGESTONE PARKWAY
 LAVERGNE, TN
 US 37086
 Contact: ANDY CHAMBERS
 achambers@scottcompanies.com
 T:
 F: (615)793-9655



OIL CONDITION

Visc @ 40°C	cSt	133	310	310	169
-------------	-----	------------	-----	-----	-----



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	62	216	211	541
Sodium	ppm	2	3	2	4
Potassium	ppm	3	14	14	27

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 condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	332	1068	1097	2498
Copper	ppm	<1	3	2	5
Lead	ppm	0	0	0	<1
Tin	ppm	0	0	<1	0
Aluminum	ppm	13	52	46	116
Chromium	ppm	4	15	14	38
Molybdenum	ppm	0	1	<1	4
Nickel	ppm	0	<1	1	<1
Titanium	ppm	1	4	4	9
Silver	ppm	0	0	0	0
Manganese	ppm	3	8	8	21
Vanadium	ppm	0	<1	<1	<1



ADDITIVES

Calcium	ppm	45	103	97	167
Magnesium	ppm	2	11	13	18
Zinc	ppm	9	10	1	22
Phosphorus	ppm	1349	1138	1177	1409
Barium	ppm	0	<1	0	0
Boron	ppm	254	181	145	69

Depot: VOLV00129
Unique No: 11099821
Signed: Jonathan Hester
Report Date: 28 Jun 2024

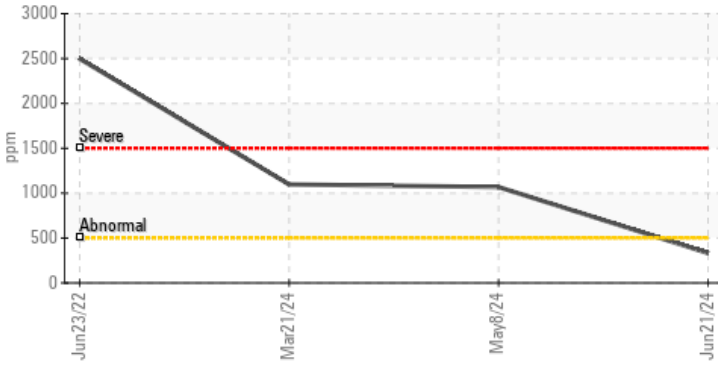


CONSTRUCTION EQUIPMENT

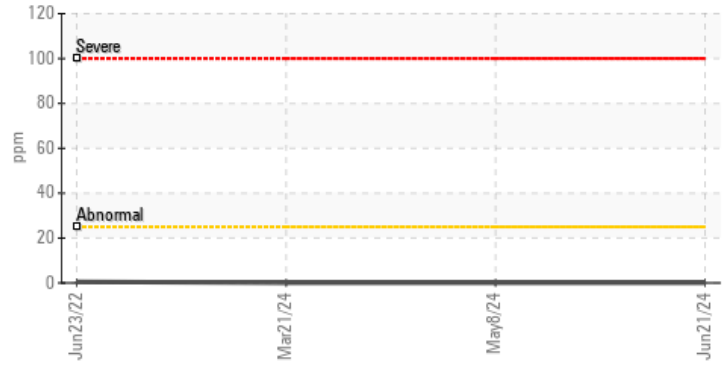


GRAPHS

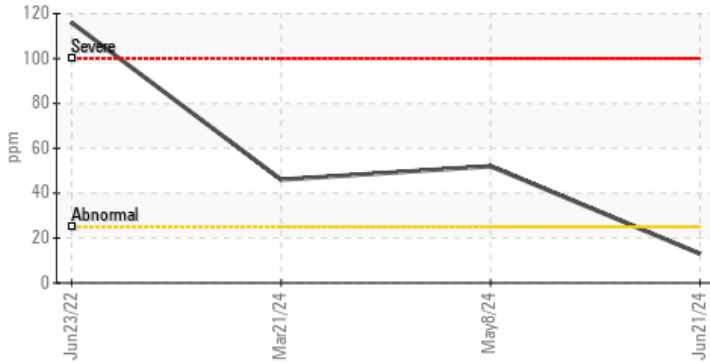
Iron (ppm)



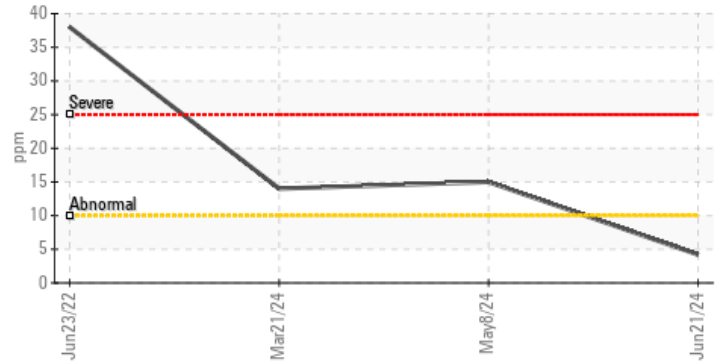
Lead (ppm)



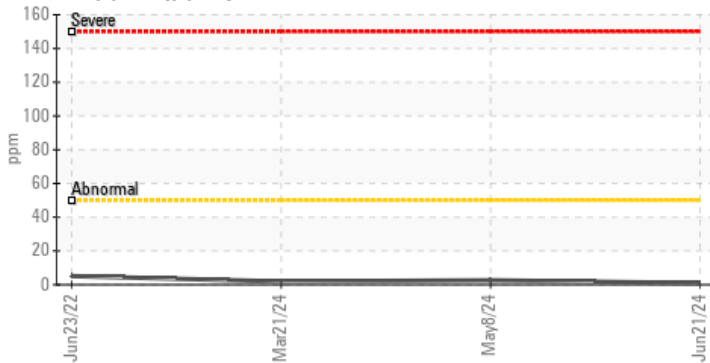
Aluminum (ppm)



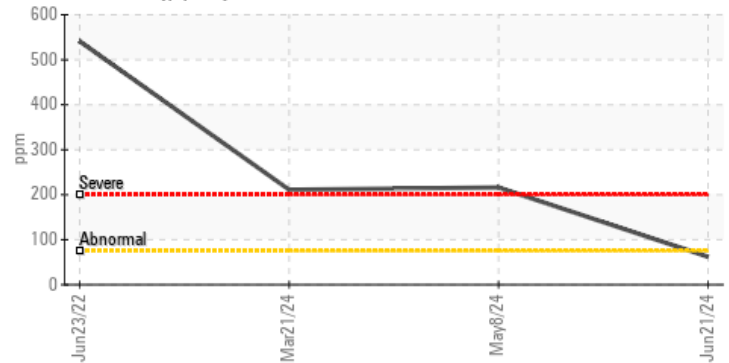
Chromium (ppm)



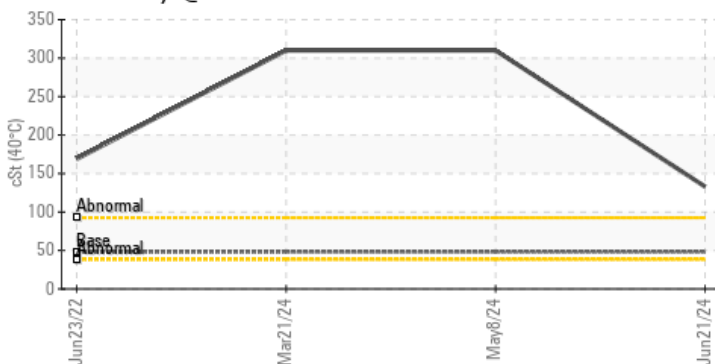
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

