



CONSTRUCTION EQUIPMENT

SWA383423-10 VOLVO A60H 350126 - TRANSMISSION



Sample No: VCP409080
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: SWA383423-10



SAMPLE INFORMATION

Sample Number	VCP409080	VCP390776	VCP390587	VPA346297
Sample Date	06 Oct 2023	19 Jul 2023	20 Jan 2023	02 May 2022
Machine Hours	5834	5055	3769	2176
Oil Hours	0	1000	0	0
Oil Changed	Not Chngd	Changed	Changed	Changed
Sample Status	ABNORMAL	NORMAL	NORMAL	NORMAL

ALTA EQUIPMENT COMPANY - METRO WEST
 56195 PONTIAC TRAIL
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 US 48165
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OIL CONDITION

Visc @ 40°C	cSt	77.0	74.7	81.9	82.1
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CONTAMINATION

Silicon	ppm	7	4	6	7
Sodium	ppm	3	1	3	3
Potassium	ppm	0	0	1	0

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. Moderate concentration of visible metal present. All component wear rates are normal. There is no indication of any contamination in the fluid. The condition of the fluid is acceptable for the time in service.



WEAR METALS

Iron	ppm	12	15	9	12
Copper	ppm	6	3	5	18
Lead	ppm	0	0	0	<1
Tin	ppm	<1	0	0	<1
Aluminum	ppm	37	<1	1	1
Chromium	ppm	0	0	<1	<1
Molybdenum	ppm	50	60	31	42
Nickel	ppm	0	0	0	0
Titanium	ppm	<1	0	0	<1
Silver	ppm	8	14	20	78
Manganese	ppm	<1	0	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	995	1360	1418	1658
Magnesium	ppm	819	1023	691	534
Zinc	ppm	1049	1329	1005	1018
Phosphorus	ppm	876	1163	864	934
Barium	ppm	0	0	1	0
Boron	ppm	9	32	69	78

Depot: VOLVO2990
Unique No: 10714548
Signed: Jonathan Hester
Report Date: 01 Nov 2023

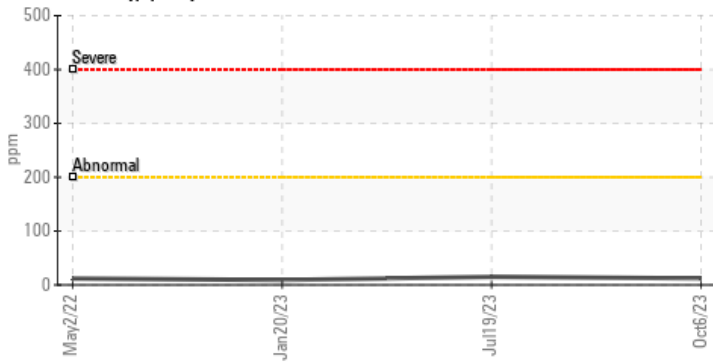


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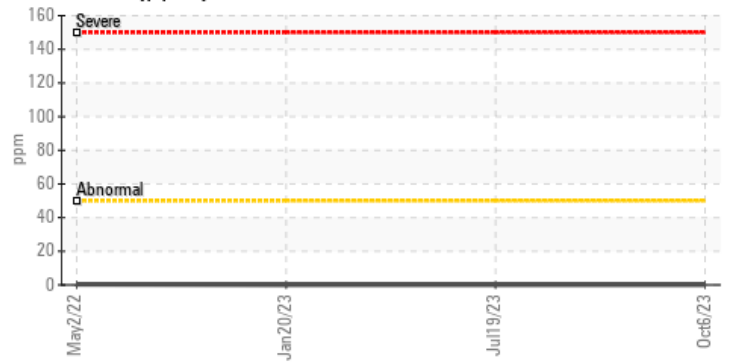


GRAPHS

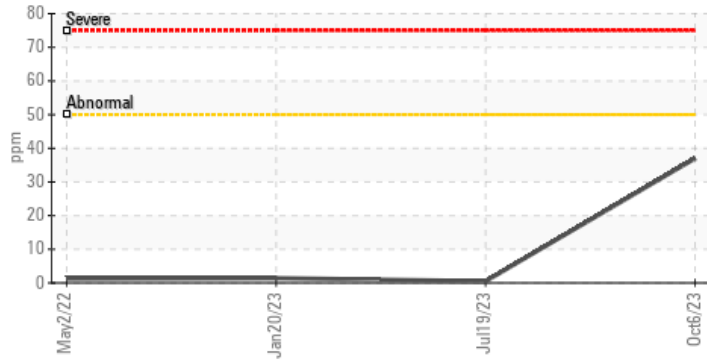
Iron (ppm)



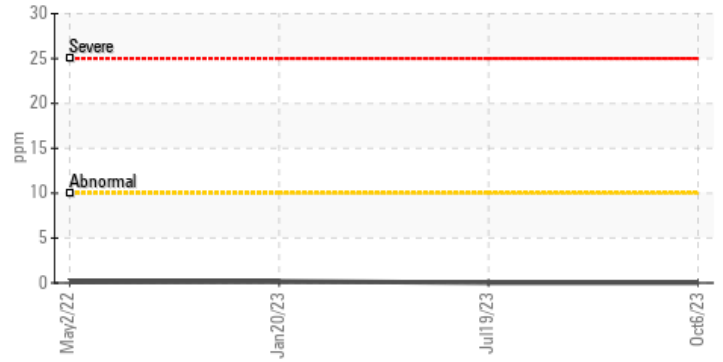
Lead (ppm)



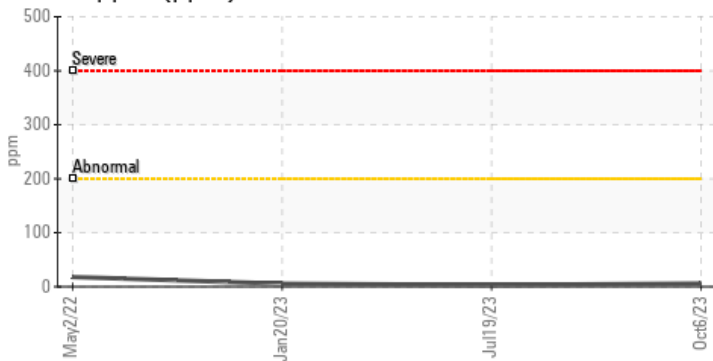
Aluminum (ppm)



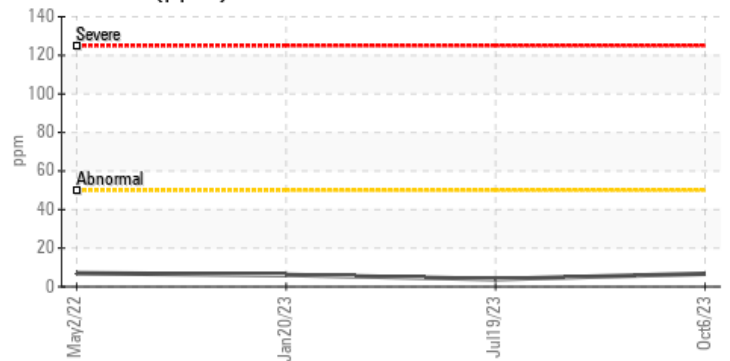
Chromium (ppm)



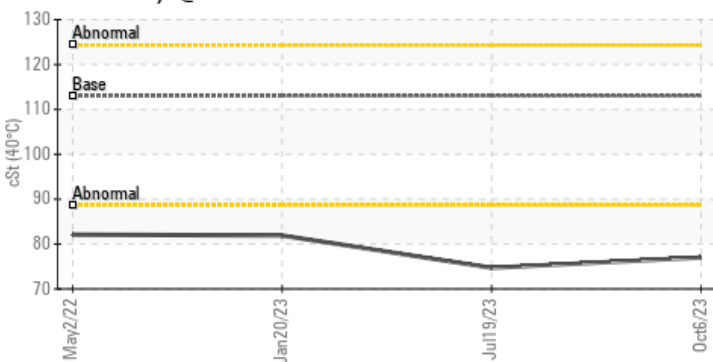
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

