



CONSTRUCTION EQUIPMENT

VOLVO L150H 4375 - TRANSMISSION (AUTO)



Sample No: VCP442917
Oil Type: MOBIL TRANS AST
Job No:



SAMPLE INFORMATION

Sample Number	VCP442917	VCP409005	VCP403848	VCP405023
Sample Date	22 Nov 2023	07 Aug 2023	15 May 2023	09 Mar 2023
Machine Hours	11007	10788	10497	10236
Oil Hours	1026	807	500	255
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Not Chngd
Sample Status	MARGINAL	ATTENTION	ATTENTION	ATTENTION

MARYLAND ENVIRONMENTAL SERVICES
 21210 MARTINSBURG RD
 DICKERSON, MD
 US 20842
 Contact: ALAN PARRISH
 aparr@menv.com
 T: (301)428-8185
 F: (301)428-8311



OIL CONDITION

Visc @ 40°C	cSt	69.8	71.7	74.2	75.0
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CONTAMINATION

Water	%	0.125	NEG	NEG	NEG
Silicon	ppm	4	5	7	4
Sodium	ppm	2	3	2	1
Potassium	ppm	0	0	0	0

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is a light concentration of water present in the fluid. The condition of the fluid is acceptable for the time in service.



WEAR METALS

Iron	ppm	38	45	37	26
Copper	ppm	4	4	4	3
Lead	ppm	<1	<1	0	0
Tin	ppm	0	<1	0	0
Aluminum	ppm	<1	<1	2	<1
Chromium	ppm	0	<1	0	0
Molybdenum	ppm	<1	1	<1	1
Nickel	ppm	0	0	0	0
Titanium	ppm	0	<1	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	<1	<1	0	0



ADDITIVES

Calcium	ppm	1952	2230	2206	2319
Magnesium	ppm	14	21	0	22
Zinc	ppm	844	942	899	948
Phosphorus	ppm	767	826	756	769
Barium	ppm	0	0	0	0
Boron	ppm	38	59	44	42

Depot: MARDIC
Unique No: 10763027
Signed: Don Baldrige
Report Date: 30 Nov 2023

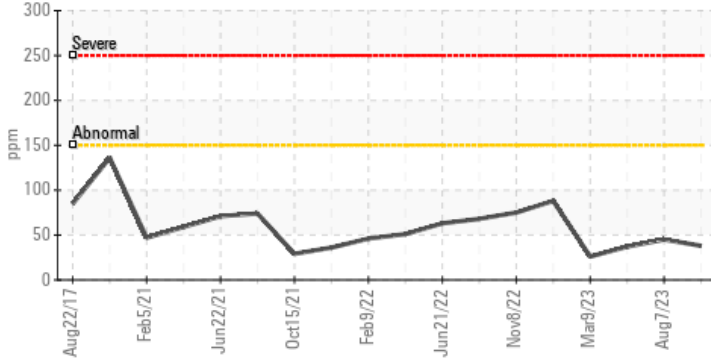


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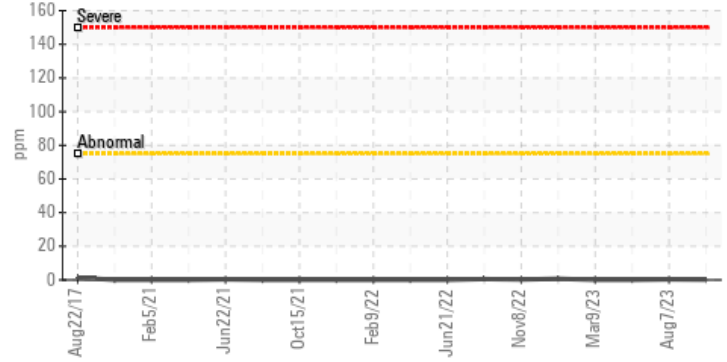


GRAPHS

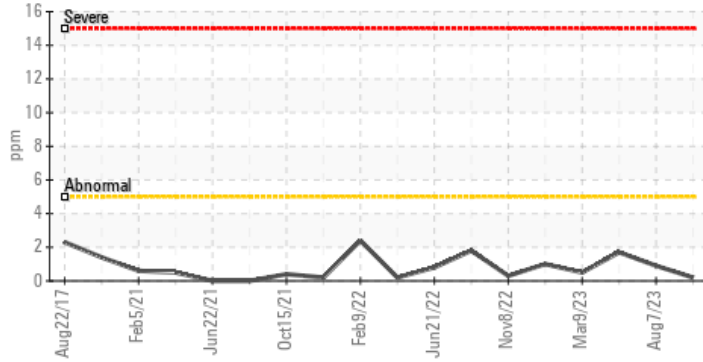
Iron (ppm)



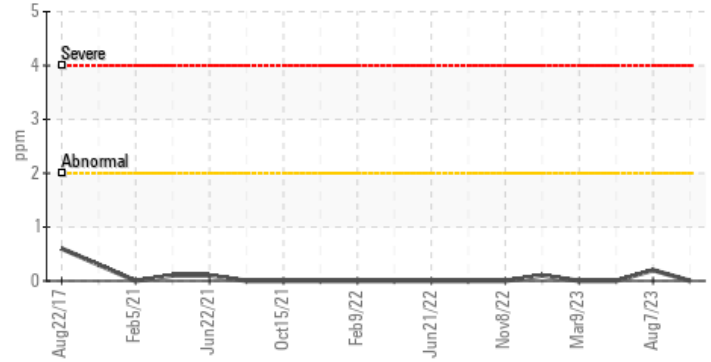
Lead (ppm)



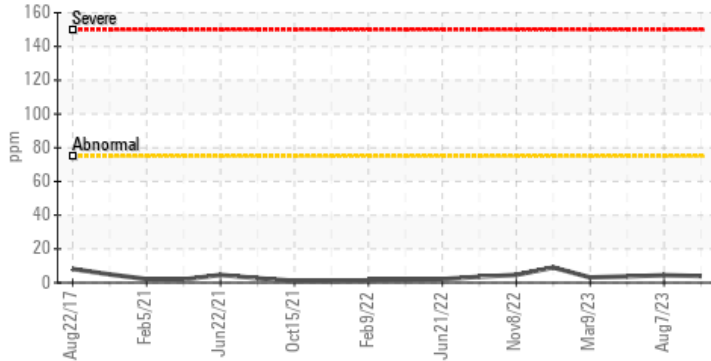
Aluminum (ppm)



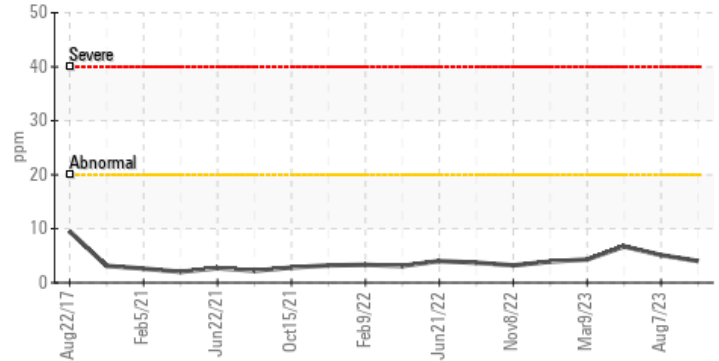
Chromium (ppm)



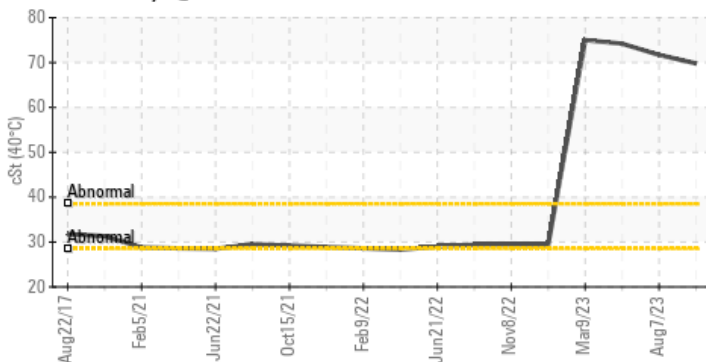
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Water

