



CONSTRUCTION EQUIPMENT

VOLVO L150H 4375 - TRANSMISSION (AUTO)



Sample No: VCP409005
Oil Type: MOBIL TRANS AST
Job No:



SAMPLE INFORMATION

Sample Number	VCP409005	VCP403848	VCP405023	VCP383677
Sample Date	07 Aug 2023	15 May 2023	09 Mar 2023	29 Dec 2022
Machine Hours	10788	10497	10236	9981
Oil Hours	807	500	255	1000
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Changed
Sample Status	ATTENTION	ATTENTION	ATTENTION	NORMAL

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	▲ 71.7	▲ 74.2	▲ 75.0	■ 29.4
-------------	-----	---------------	--------	--------	--------



CONTAMINATION

Silicon	ppm	■ 5	■ 7	■ 4	■ 4
Sodium	ppm	■ 3	■ 2	■ 1	■ 2
Potassium	ppm	■ 0	■ 0	■ 0	■ <1



WEAR METALS

Iron	ppm	■ 45	■ 37	■ 26	■ 88
Copper	ppm	■ 4	■ 4	■ 3	■ 9
Lead	ppm	■ <1	■ 0	■ 0	■ <1
Tin	ppm	■ <1	■ 0	■ 0	■ <1
Aluminum	ppm	■ <1	■ 2	■ <1	■ 1
Chromium	ppm	■ <1	■ 0	■ 0	■ <1
Molybdenum	ppm	1	<1	1	1
Nickel	ppm	■ 0	■ 0	■ 0	■ 0
Titanium	ppm	■ <1	0	0	0
Silver	ppm	■ 0	■ 0	■ 0	■ 0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	▲ 2230	▲ 2206	▲ 2319	254
Magnesium	ppm	▲ 21	0	▲ 22	8
Zinc	ppm	▲ 942	▲ 899	▲ 948	186
Phosphorus	ppm	▲ 826	▲ 756	▲ 769	307
Barium	ppm	0	0	0	0
Boron	ppm	59	44	42	66

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the fluid. The fluid viscosity is higher than normal. This plus the additive levels indicates the addition of a different brand, or type of oil. Confirm oil type.

Depot: MARDIC
Unique No: 10602905
Signed: Sean Felton
Report Date: 14 Aug 2023



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

