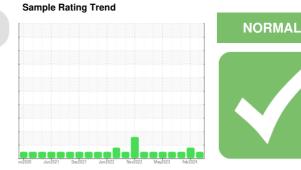


OIL ANALYSIS REPORT





VOLVO L150H 4375 Component Hydraulic System

ESSO NUTO H ISO 46 (--- GAL)

Recommendation

Resample at the next service interval to monitor.

Machine Id

Wear

All component wear rates are normal.

Contamination

The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable.

Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

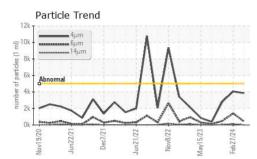
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2	
Sample Number		Client Info		ML0001292	ML0000154	VCP442922	
Sample Date		Client Info		08 May 2024	27 Feb 2024	22 Nov 2023	
Machine Age	hrs	Client Info		11473	11242	11007	
Oil Age	hrs	Client Info		1492	1261	1026	
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd	
Sample Status				NORMAL	ATTENTION	NORMAL	
CONTAMINATIO	N	method	limit/base	current	history1	history2	
Water		WC Method	>0.2	NEG	NEG	NEG	
WEAR METALS		method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185m	>50	3	2	<1	
Chromium	ppm	ASTM D5185m	>20	<1	0	<1	
Nickel	ppm	ASTM D5185m	>10	0	0	<1	
Titanium	ppm	ASTM D5185m		<1	0	0	
Silver	ppm	ASTM D5185m		<1	0	0	
Aluminum	ppm	ASTM D5185m	>20	<1	0	0	
Lead	ppm	ASTM D5185m	>20	<1	0	1	
Copper	ppm	ASTM D5185m	>20	1	<1	0	
Tin	ppm	ASTM D5185m	>20	<1	0	<1	
Vanadium	ppm	ASTM D5185m		0	0	0	
Cadmium	ppm	ASTM D5185m		<1	0	0	
ADDITIVES		method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m	0	<1	3	2	
Barium	ppm	ASTM D5185m	0	0	0	0	
Molybdenum	ppm	ASTM D5185m	0	2	1	<1	
Manganese	ppm	ASTM D5185m		<1	0	0	
Magnesium	ppm	ASTM D5185m	5	1	3	8	
Calcium	ppm	ASTM D5185m	50	361	338	395	
Phosphorus	ppm	ASTM D5185m	330	396	363	407	
Zinc	ppm	ASTM D5185m	410	447	428	521	
Sulfur	ppm	ASTM D5185m	2700	4588	3585	4064	
CONTAMINANTS	\$	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	>20	3	2	3	
Sodium	ppm	ASTM D5185m		2	2	1	
Potassium	ppm	ASTM D5185m	>20	0	0	1	
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2	
Particles >4µm		ASTM D7647	>5000	3855	4060	2835	
Particles >6µm		ASTM D7647	>1300	430	1406	487	
Particles >14µm		ASTM D7647	>160	15	129	40	
Particles >21µm		ASTM D7647	>40	2	42	10	
Particles >38µm		ASTM D7647	>10	1	2	0	
Particles >71µm		ASTM D7647	>3	0	0	0	
Oil Cleanliness		ISO 4406 (c)	>19/17/14	19/16/11	9/18/14	19/16/12	
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2	
Acid Number (AN)	mg KOH/g	ASTM D8045	0.45	0.46	0.62	0.44	
:37:23) Rev: 1				Contact/Location: ALAN PARRISH - MARDIC			

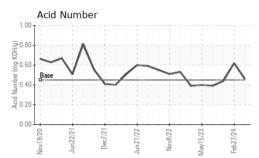
Report Id: MARDIC [WUSCAR] 06182721 (Generated: 05/22/2024 11:37:23) Rev: 1

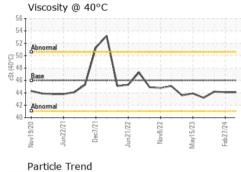
Contact/Location: ALAN PARRISH - MARDIC Page 1 of 2

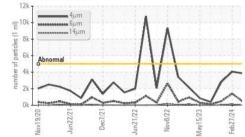


OIL ANALYSIS REPORT

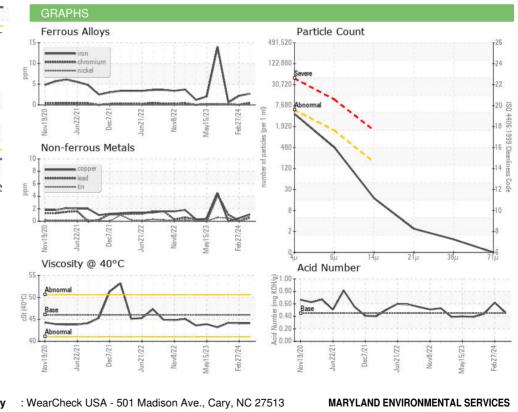


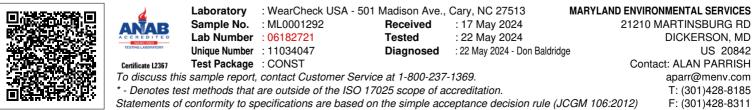






VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERT	IES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	46	44.1	44.1	44.2
SAMPLE IMAGES		method	limit/base	current	history1	history2
Color				•		
Bottom						





Report Id: MARDIC [WUSCAR] 06182721 (Generated: 05/22/2024 11:37:23) Rev: 1

Contact/Location: ALAN PARRISH - MARDIC

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