ASCENDUM

OIL ANALYSIS REPORT









Machine Id **VOLVO L60H 623461**

Tank Hydraulic System

VOLVO SUPER HYDRA

Recommendation

Resample at the next service interval to monitor.

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.

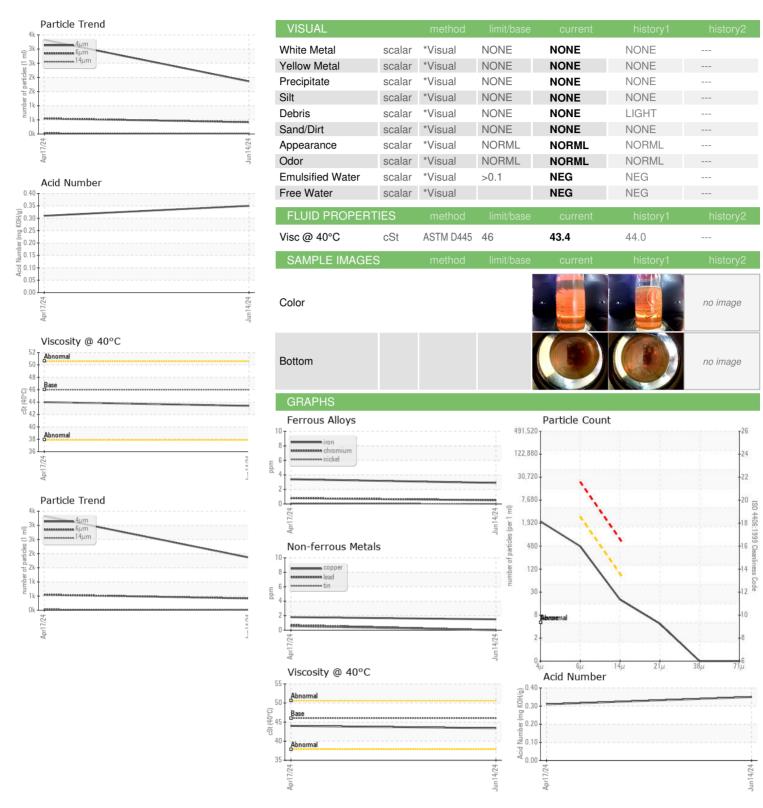
Fluid Condition

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

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AULIC OIL 46 (2	3 GAL)		Apr2024	Jun2024		
`						
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		ASC0004456	ASC0004300	
Sample Date		Client Info		14 Jun 2024	17 Apr 2024	
Machine Age	hrs	Client Info		1941	1510	
Oil Age	hrs	Client Info		0	1510	
Oil Changed		Client Info		Changed	Not Changd	
Sample Status				NORMAL	NORMAL	
CONTAMINATIC	N	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG	NEG	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	3	3	
Chromium	ppm	ASTM D5185m	>20	<1	<1	
Nickel	ppm	ASTM D5185m	>10	0	<1	
Titanium	ppm	ASTM D5185m		<1	<1	
Silver	ppm	ASTM D5185m		0	0	
Aluminum	ppm	ASTM D5185m	>20	2	2	
Lead	ppm	ASTM D5185m	>20	0	<1	
Copper	ppm	ASTM D5185m	>150	2	2	
Tin	ppm	ASTM D5185m	>20	0	<1	
Vanadium	ppm	ASTM D5185m		0	0	
Cadmium	ppm	ASTM D5185m		0	<1	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	14	<1	0	
Barium	ppm	ASTM D5185m	0.0	0	0	
Molybdenum	ppm	ASTM D5185m	0.0	<1	2	
Manganese	ppm	ASTM D5185m		0	0	
Magnesium	ppm	ASTM D5185m	2.6	5	6	
Calcium	ppm	ASTM D5185m		62	93	
Phosphorus	ppm	ASTM D5185m	354	327	334	
Zinc	ppm	ASTM D5185m	419	451	428	
Sulfur	ppm	ASTM D5185m	3719	2096	2235	
CONTAMINANTS	S	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	5	6	
Sodium	ppm	ASTM D5185m		0	0	
Potassium	ppm	ASTM D5185m	>20	1	2	
FLUID CLEANLII	NESS	method	limit/base	current	history1	history2
Particles >4μm		ASTM D7647		1859	3325	
Particles >6µm		ASTM D7647	>2500	416	547	
Particles >14μm		ASTM D7647	>80	17	32	
Particles >21μm		ASTM D7647	>20	4	6	
Particles >38μm		ASTM D7647	>4	0	0	
Particles >71μm		ASTM D7647	>3	0	0	
		100 1100 ()	140140	10/10/11	10/10/10	
Oil Cleanliness		ISO 4406 (c)	>/18/13	18/16/11	19/16/12	
Oil Cleanliness FLUID DEGRAD	ATION _	method	>/18/13 limit/base	current	history1	history2

ASCENDUM

OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No.

Lab Number : 06214608 Unique Number : 11087472

Test Package : CONST

: ASC0004456

To discuss this sample report, contact Customer Service at 1-800-237-1369.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received Tested

: 19 Jun 2024 : 20 Jun 2024 Diagnosed

: 20 Jun 2024 - Wes Davis

Contact: BRANDON GRANT brandon.grant@ascendummachinery.com T: (865)525-1845

520 - ASCENDUM MACHINERY INC - KNOXVILLE

5730 RUTLEDGE PIKE

KNOXVILLE, TN

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US 37924

 st - Denotes test methods that are outside of the ISO 17025 scope of accreditation. Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)