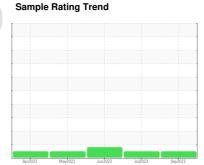


OIL ANALYSIS REPORT

Acid Number (AN) mg KOH/g ASTM D8045



NORMAL



VOLVO Component **Hydraulic System**

CASTROL TRANSMAX SYNTHETIC MV AT

Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.

Fluid Condition

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

F (28 GAL)		Apr2022	May2022	Jun2022 Jul2022	Sep2022	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0700536	WC0700526	WC0700524
Sample Date		Client Info		01 Sep 2022	01 Jul 2022	01 Jun 2022
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	ATTENTION
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	0	<1	0
Chromium	ppm	ASTM D5185m	>20	0	0	0
Nickel	ppm	ASTM D5185m	>20	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>20	3	3	2
Lead	ppm	ASTM D5185m	>20	0	<1	0
Copper	ppm	ASTM D5185m	>20	<1	<1	0
Tin	ppm	ASTM D5185m	>20	0	0	0
Vanadium	ppm	ASTM D5185m	- = 0	0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	100	124	124	116
Barium	ppm	ASTM D5185m	0	50	31	0
Molybdenum	ppm	ASTM D5185m	0	0	0	0
Manganese	ppm	ASTM D5185m	10	0	0	0
Magnesium	ppm	ASTM D5185m	0	0	<1	0
Calcium	ppm	ASTM D5185m	370	91	102	95
Phosphorus	ppm	ASTM D5185m	300	223	219	210
Zinc	ppm	ASTM D5185m	0	0	3	6
Sulfur	ppm	ASTM D5185m	1600	931	1149	1093
CONTAMINANTS	3	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	<1	1	<1
Sodium	ppm	ASTM D5185m		3	1	1
Potassium	ppm	ASTM D5185m	>20	0	0	0
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		28345	77635	89198
Particles >6µm		ASTM D7647	>2500	386	2169	<u>4810</u>
Particles >14µm		ASTM D7647	>160	25	39	63
Particles >21µm		ASTM D7647	>40	6	9	7
Particles >38µm		ASTM D7647	>10	1	0	0
Particles >71µm		ASTM D7647		0	0	0
Oil Cleanliness		ISO 4406 (c)	>/18/14	22/16/12	23/18/12	<u>△</u> 24/19/13
FLUID DEGRADA	ATION _	method	limit/base	current	history1	history2

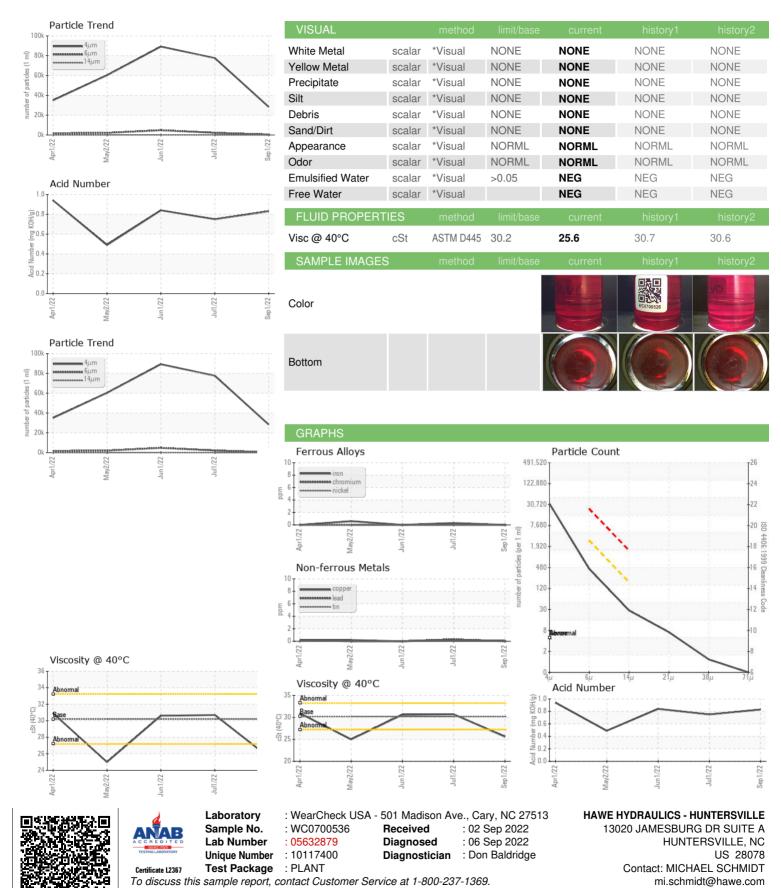
0.75

0.83

0.84



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* - 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)

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