

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id HIAB 4250839

Component Hydraulic System AW HYDRAULIC OIL ISO 32 (--- GAL)

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

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

Fluid Condition

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

SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0753705		
Sample Date		Client Info		10 May 2023		
Machine Age	hrs	Client Info		133		
Oil Age	hrs	Client Info		133		
Oil Changed		Client Info		Not Changd		
Sample Status				NORMAL		
CONTAMINATION	٧	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	1		
Chromium	ppm	ASTM D5185m	>10	<1		
Nickel	ppm	ASTM D5185m	>10	<1		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>10	2		
Lead	ppm	ASTM D5185m	>10	- <1		
Copper	ppm	ASTM D5185m	>75	<1		
Tin		ASTM D5185m	>10	<1		
Vanadium	ppm	ASTM D5185m	>10	0		
Cadmium	ppm	ASTM D5185m		-		
Caumium	ppm	ASTIVI DOTODIII		<1		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	5	0		
Barium	ppm	ASTM D5185m	5	0		
Molybdenum	ppm	ASTM D5185m	5	<1		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m	25	2		
Calcium	ppm	ASTM D5185m	200	46		
Phosphorus	ppm	ASTM D5185m	300	350		
Zinc	ppm	ASTM D5185m	370	455		
Sulfur	ppm	ASTM D5185m	2500	4811		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	1		
Sodium	ppm	ASTM D5185m		0		
Potassium	ppm	ASTM D5185m	>20	<1		
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	1699		
Particles >6µm		ASTM D7647	>1300	247		
Particles >14µm		ASTM D7647	>160	19		
Particles >21µm		ASTM D7647		2		
Particles >38µm		ASTM D7647	>10	0		
Particles >71µm		ASTM D7647		0		
Oil Cleanliness		ISO 4406 (c)	>19/17/14	18/15/11		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.57	0.46		

Report Id: CARHIGMO [WUSCAR] 06211550 (Generated: 06/21/2024 23:55:39) Rev: 1

Contact/Location: BRETT HIGGINS - CARHIGMO



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Particle Trend

Viscosity @ 40°C

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ASTM D445

ASTM D2270

ASTM D445 5.4

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NORML

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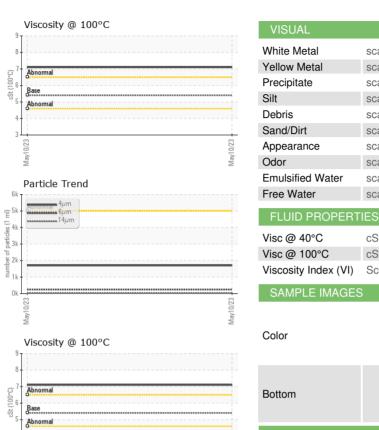
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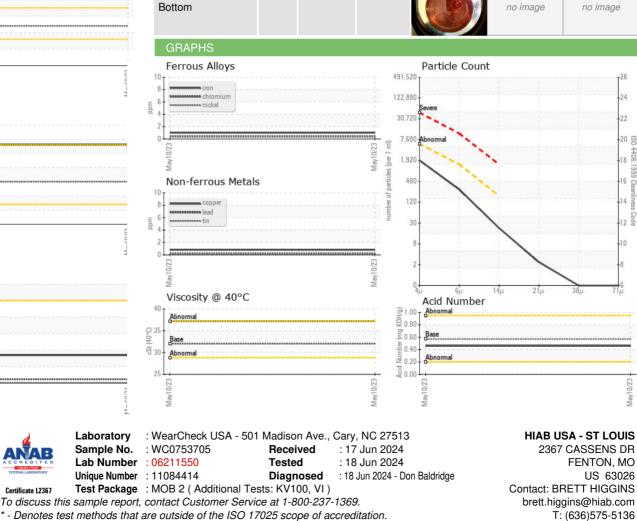
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4406

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2 Code





Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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