

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id 101-LYO-903

Component Hydraulic System

NAVI-GUARD PREMIUM AW-32 HYDRAULIC (--- LTR)

DIAGNOSIS

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.

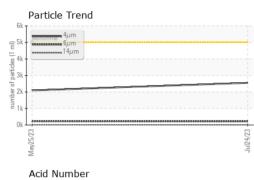
Fluid Condition

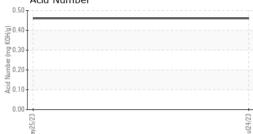
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

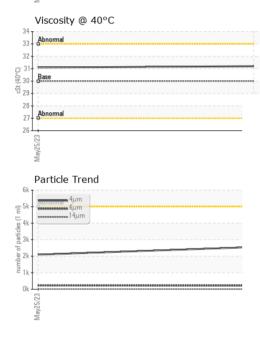
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0789090	WC0789095	
Sample Date		Client Info		24 Jul 2023	25 May 2023	
Machine Age	yrs	Client Info		0	0	
Oil Age	yrs	Client Info		0	0	
Oil Changed		Client Info		N/A	N/A	
Sample Status				NORMAL	NORMAL	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	<1	<1	
Chromium	ppm	ASTM D5185m	>20	0	0	
Nickel	ppm	ASTM D5185m	>20	0	0	
Titanium	ppm	ASTM D5185m		<1	<1	
Silver	ppm	ASTM D5185m		0	0	
Aluminum	ppm	ASTM D5185m	>20	0	<1	
Lead	ppm	ASTM D5185m	>20	0	0	
Copper	ppm	ASTM D5185m	>20	<1	<1	
Tin	ppm	ASTM D5185m	>20	0	<1	
Vanadium	ppm	ASTM D5185m		<1	<1	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		31	31	
Barium	ppm	ASTM D5185m		0	0	
Molybdenum	ppm	ASTM D5185m		13	13	
Manganese	ppm	ASTM D5185m		0	0	
Magnesium	ppm	ASTM D5185m		104	102	
Calcium	ppm	ASTM D5185m		1073	1050	
Phosphorus	ppm	ASTM D5185m		308	304	
Zinc	ppm	ASTM D5185m		318	310	
Sulfur	ppm	ASTM D5185m		3390	3321	
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	3	3	
Sodium	ppm	ASTM D5185m		1	1	
Potassium	ppm	ASTM D5185m	>20	<1	0	
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	2550	2095	
Particles >6µm		ASTM D7647	>1300	217	227	
Particles >14µm		ASTM D7647	>160	9	14	
Particles >21µm		ASTM D7647	>40	3	3	
Particles >38µm		ASTM D7647	>10	0	0	
Particles >71µm		ASTM D7647	>3	0	0	
Oil Cleanliness		ISO 4406 (c)	>19/17/14	19/15/10	18/15/11	
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.46	0.46	

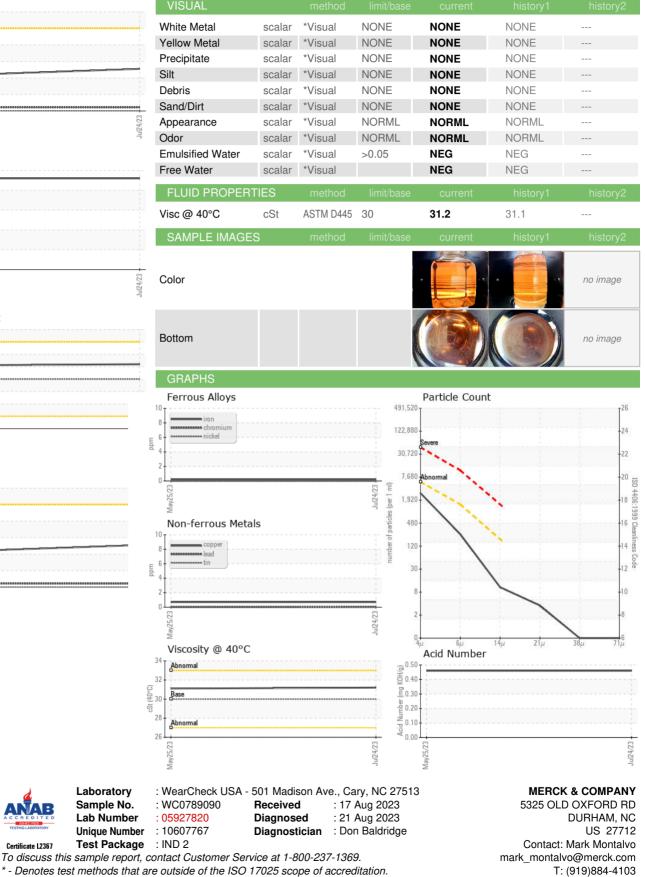


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Certificate L2367

Laboratory

Sample No.

Lab Number

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

Contact/Location: Mark Montalvo - MERDUR

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