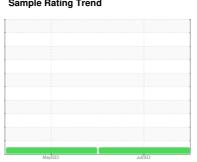


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id 102-LYO-901

Component

Hydraulic System

NAVI-GUARD PREMIUM AW-32 HYDRAUL

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Recommendation

Resample at the next service interval to monitor. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.

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.

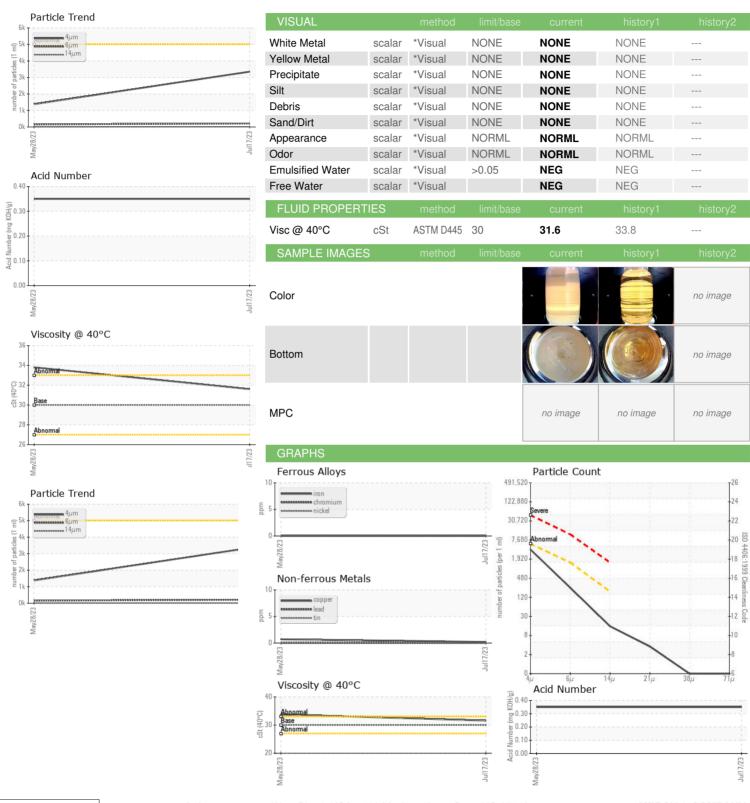
Fluid Condition

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

IC (LTR)			May2023	Jul2023		
SAMPLE INFORM	//ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0789087	WC0770764	
Sample Date		Client Info		17 Jul 2023	28 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		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	0	0	
Chromium	ppm	ASTM D5185m	>20	0	0	
Nickel	ppm	ASTM D5185m	>20	0	0	
Titanium	ppm	ASTM D5185m		0	0	
Silver	ppm	ASTM D5185m		0	0	
Aluminum	ppm	ASTM D5185m	>20	0	0	
Lead	ppm	ASTM D5185m	>20	0	0	
Copper	ppm	ASTM D5185m	>20	<1	<1	
Tin	ppm	ASTM D5185m	>20	0	0	
Vanadium	ppm	ASTM D5185m		<1	<1	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		3	0	
Barium	ppm	ASTM D5185m		0	0	
Molybdenum	ppm	ASTM D5185m		5	4	
Manganese	ppm	ASTM D5185m		0	0	
Magnesium	ppm	ASTM D5185m		24	8	
Calcium	ppm	ASTM D5185m		135	80	
Phosphorus	ppm	ASTM D5185m		321	272	
Zinc	ppm	ASTM D5185m		400	342	
Sulfur	ppm	ASTM D5185m		4822	4353	
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	1	1	
Sodium	ppm	ASTM D5185m		<1	<1	
Potassium	ppm	ASTM D5185m	>20	<1	<1	
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	3351	1381	
Particles >6µm		ASTM D7647	>1300	211	157	
Particles >14µm		ASTM D7647	>160	13	8	
Particles >21µm		ASTM D7647	>40	3	2	
Particles >38µm		ASTM D7647	>10	0	0	
Particles >71µm		ASTM D7647	>3	0	0	
Oil Cleanliness		ISO 4406 (c)	>19/17/14	19/15/11	18/14/10	
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.35	0.35	



OIL ANALYSIS REPORT





Certificate L2367

Laboratory Sample No.

Lab Number **Unique Number**

: WC0789087 : 05927817 : 10607764 Test Package : IND 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : 17 Aug 2023 Received : 18 Aug 2023 Diagnosed : Wes Davis Diagnostician

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

* - 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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