

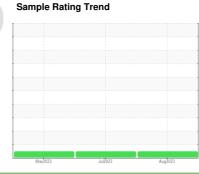
# **OIL ANALYSIS REPORT**

Area [53471778] 102-LYO-901

Component

**Hydraulic System** 

**NAVI-GUARD PREMIUM AW-32 HYDRAULIC (** 





### DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor. Please submit a sample of the new (unused) oil to establish a baseline for RULer.

All component wear rates are normal.

### Contamination

MPC (Membrane Patch Colorimetry) test indicates acceptable levels of varnish present. The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil.

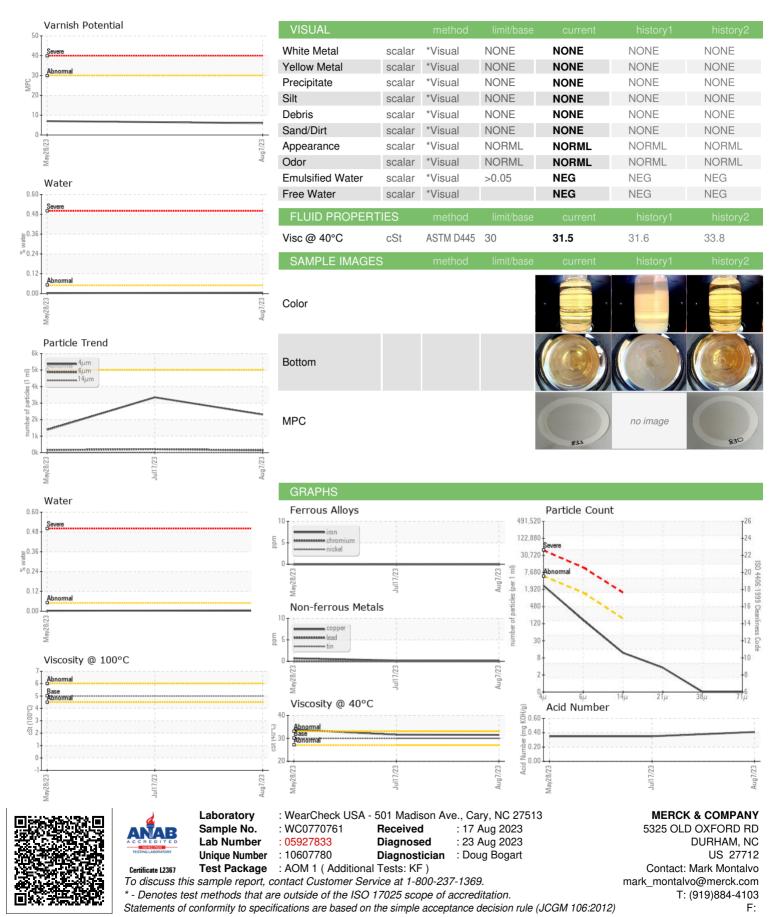
### **Fluid Condition**

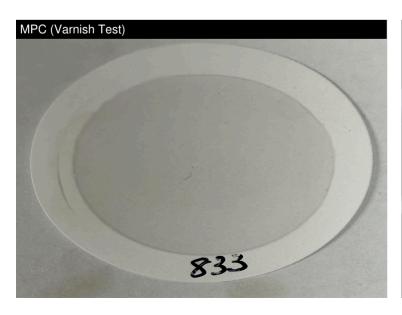
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

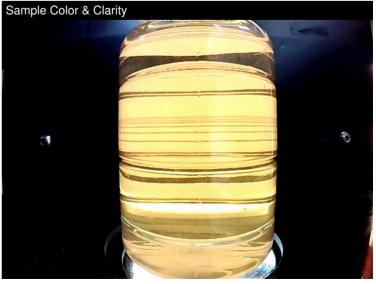
IC ( LTR)		Ma	y2023	Jui2023 Aug20	23	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0770761	WC0789087	WC0770764
Sample Date		Client Info		07 Aug 2023	17 Jul 2023	28 May 2023
Machine Age	yrs	Client Info		0	0	0
Oil Age	yrs	Client Info		0	0	0
Oil Changed	,	Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	0	0	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	0	0	0
Lead	ppm	ASTM D5185m	>20	0	0	0
Copper	ppm	ASTM D5185m	>20	<1	<1	<1
Tin	ppm	ASTM D5185m	>20	0	0	0
Vanadium	ppm	ASTM D5185m		<1	<1	<1
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES	le le	method	limit/base	current	history1	history2
			mmbase			
Boron	ppm	ASTM D5185m		0	3	0
Barium	ppm	ASTM D5185m		-	0	0
Molybdenum	ppm	ASTM D5185m		5	5	4
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m		23	24	8
Calcium	ppm	ASTM D5185m		120	135	80
Phosphorus	ppm	ASTM D5185m		319	321	272
Zinc	ppm	ASTM D5185m		398	400	342
Sulfur	ppm	ASTM D5185m		4816	4822	4353
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	<1	1	1
Sodium	ppm	ASTM D5185m		<1	<1	<1
Potassium	ppm	ASTM D5185m	>20	<1	<1	<1
Water	%	ASTM D6304	>0.05	0.005		0.003
ppm Water	ppm	ASTM D6304	>500	55.6		30.5
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	2307	3351	1381
Particles >6µm		ASTM D7647	>1300	143	211	157
Particles >14μm		ASTM D7647	>160	10	13	8
Particles >21µm		ASTM D7647	>40	3	3	2
Particles >38µm		ASTM D7647	>10	0	0	0
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	18/14/10	19/15/11	18/14/10
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.41	0.35	0.35
MPC Varnish Potential	Scale	ASTM D7843	>15	6		7



## **OIL ANALYSIS REPORT**







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