

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id W11 (S/N 31037) Component Hydraulic System

MIL-PRF-83282 (--- GAL)

DIAGNOSIS

Recommendation

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

Wear

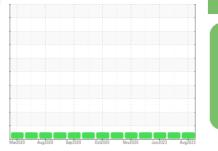
All component wear rates are normal.

Contamination

The system cleanliness is acceptable for your target SAE AS4059 (replaces NAS 1638) 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.

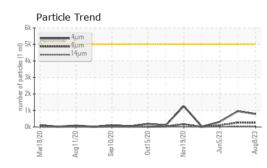


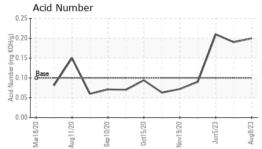


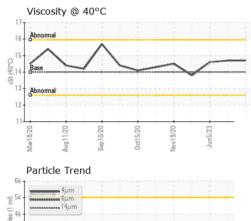
SAMPLE INFORM		method	limit/base	current	history1	history2
		Client Info	- mm/base	WC0768781	WC0768768	WC0768912
Sample Number Sample Date		Client Info		08 Aug 2023	10 Jul 2023	05 Jun 2023
Machine Age	hrs	Client Info		00 Aug 2023 0	10 Jul 2023	05 5011 2025
Oil Age	hrs	Client Info		0	0	0
Oil Changed	1113	Client Info		N/A	Filtered	0 N/A
Sample Status				NORMAL	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	nom	ASTM D5185m	>20	0	0	0
Chromium	ppm	ASTM D5185m	>20	0	<1	0
Nickel	ppm ppm	ASTM D5185m	>10	0	0	0
Titanium	ppm	ASTM D5185m	>10	<1	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>10	<1	0	0
Lead	ppm	ASTM D5185m	>10	0	0	0
Copper	ppm	ASTM D5185m		<1	0	0
Tin	ppm	ASTM D5185m	>10	<1	0	<1
Antimony	ppm	ASTM D5185m				
Vanadium	ppm	ASTM D5185m		<1	<1	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES	1º Iº	method	limit/base	current	history1	history2
Boron	nom	ASTM D5185m		0	0	0
Barium	ppm ppm	ASTM D5185m		12	4	<1
Molybdenum	ppm	ASTM D5185m		0	4	0
Manganese	ppm	ASTM D5185m		<1	<1	0
Magnesium	ppm	ASTM D5185m		6	2	<1
Calcium	ppm	ASTM D5185m		0	0	<1
Phosphorus	ppm	ASTM D5185m		597	696	732
Zinc	ppm	ASTM D5185m		15	0	0
Sulfur	ppm	ASTM D5185m		25	39	62
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon			>20	3	3	3
Sodium	ppm ppm	ASTM D5185m	>20	1	<1	0
Potassium	ppm	ASTM D5185m	>20	<1	<1	0
			-			-
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	779	955	316
Particles >6µm		ASTM D7647		248	266	103
Particles >14µm		ASTM D7647	>160	23	23	14
Particles >21µm		ASTM D7647		4	6	3
Particles >38µm		ASTM D7647	>10	0	0	0
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	17/15/12	17/15/12	15/14/11
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.1	0.20	0.19	0.21



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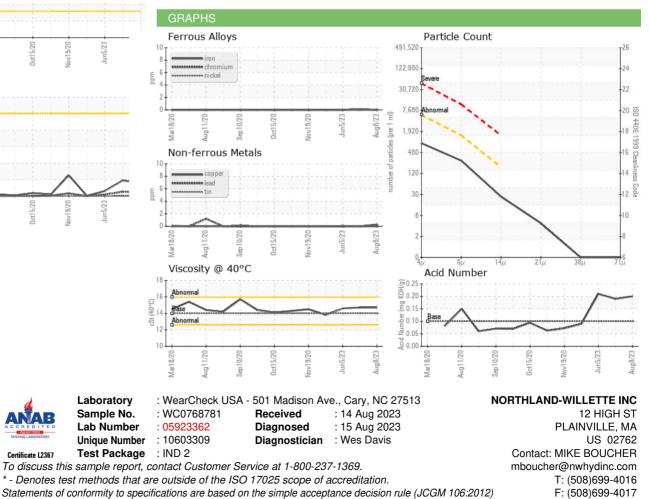




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VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	LIGHT
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERT	IES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	14.0	14.7	14.7	14.6
SAMPLE IMAGES	3	method	limit/base	current	history1	history2
Color						

Bottom



Contact/Location: MIKE BOUCHER - NORPLAMA