

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL

PUMP STAND

Component **Hydraulic System** MILITARY MIL-H-83282C (--- GAL)

Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Wear

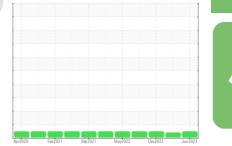
All component wear rates are normal.

Contamination

NAS 1638 Class: 5, Discrete particle counts [100 ml] 5-15µm = 5603, 15-25µm = 789, 25-50µm = 192, 50-100μm = 18, >100μm = 1. The system cleanliness is acceptable for your target SAE AS4059 (replaces NAS 1638) cleanliness code. The system and fluid cleanliness is acceptable.

Fluid Condition

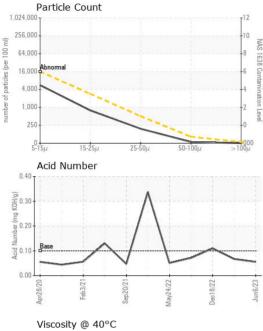
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

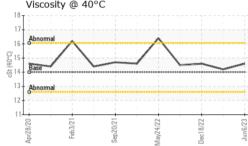


SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0768894	WC0768886	WC0723448
Sample Date		Client Info		06 Jun 2023	16 Mar 2023	18 Dec 2022
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	Filtered	Not Changd
Sample Status				NORMAL	ATTENTION	NORMAL
CONTAMINATION	N	method	limit/base	current	history1	history2
Water		WC Method	>0.05	NEG	NEG	NEG
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	1
Aluminum	ppm	ASTM D5185m	>20	0	<1	<1
Lead	ppm	ASTM D5185m	>20	0	0	0
Copper	ppm	ASTM D5185m	>20	0	<1	0
Tin	ppm	ASTM D5185m	>20	<1	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m		0	0	0
Calcium	ppm	ASTM D5185m		<1	0	<1
Phosphorus	ppm	ASTM D5185m		703	711	673
Zinc	ppm	ASTM D5185m		0	0	0
Sulfur	ppm	ASTM D5185m		4	18	33
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	0	0	4
Sodium	ppm	ASTM D5185m		0	0	0
Potassium	ppm	ASTM D5185m	>20	0	0	<1

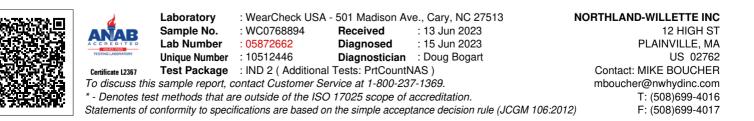


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FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647				1033
Particles >6µm		ASTM D7647	>16000			331
Particles >14µm		ASTM D7647	>2850			27
Particles >21µm		ASTM D7647	>506			5
Particles >38µm		ASTM D7647	>90			0
Particles >71µm		ASTM D7647	>16			0
Oil Cleanliness		ISO 4406 (c)	>6			17/16/12
Particles 5-15µm	count	*NAS 1638	>16000	5603	▲ 30081	
Particles 15-25µm	count	*NAS 1638	>2850	789	1106	
Particles 25-50µm	count	*NAS 1638	>506	192	262	
Particles 50-100µm	count	*NAS 1638	>90	18	0	
Particles >100µm	count	*NAS 1638	>16	1	0	
NAS 1638	Class	*NAS 1638	>6	5	7	
FLUID DEGRADA	method	limit/base	current	history1	history2	
Acid Number (AN)	mg KOH/g	ASTM D8045	0.1	0.055	0.067	0.11
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
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	>0.05	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	14.6	14.2	14.6
SAMPLE IMAGES	\$	method	limit/base	current	history1	history2
Color						
Bottom						



Contact/Location: MIKE BOUCHER - NORPLAMA