

OIL ANALYSIS REPORT

Sample Rating Trend







66-PC-38
Component
Hydraulic System
Fluid
MILITARY MIL-H-83282C (--- LTR)

		IS

Machine Id

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.

Fluid Condition

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

				May2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0933772		
Sample Date		Client Info		14 May 2024		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				NORMAL		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	2		
Chromium	ppm	ASTM D5185m	>20	0		
Nickel	ppm	ASTM D5185m	>20	0		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>20	0		
Lead	ppm	ASTM D5185m	>20	0		
Copper	ppm	ASTM D5185m	>20	<1		
Tin	ppm	ASTM D5185m	>20	0		
Vanadium	ppm	ASTM D5185m	- = 0	0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0		
Barium	ppm	ASTM D5185m		<1		
Molybdenum	ppm	ASTM D5185m		0		
Manganese	ppm	ASTM D5185m		0		
Magnesium	ppm	ASTM D5185m		0		
Calcium	ppm	ASTM D5185m		0		
Phosphorus		ASTM D5185m		817		
Zinc	ppm	ASTM D5185m		203		
Sulfur	ppm	ASTM D5185m		196		
	ppm			190		
CONTAMINANTS	3	method	limit/base	current	history1	history2
Silicon	ppm		>15	<1		
Sodium	ppm	ASTM D5185m		0		
Potassium	ppm	ASTM D5185m		0		
Water	%	ASTM D6304	>0.05	NEG		
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	491		
Particles >6µm		ASTM D7647	>1300	114		
Particles >14µm		ASTM D7647	>160	3		
Particles >21µm		ASTM D7647	>40	1		
Particles >38µm		ASTM D7647	>10	1		
Particles >71µm		ASTM D7647	>3	0		
Oil Cleanliness		ISO 4406 (c)	>19/17/14	16/14/9		
FLUID DEGRADA	NOITA	method	limit/base	current	history1	history2
A : 1 N		AOTH Doors	0.1			

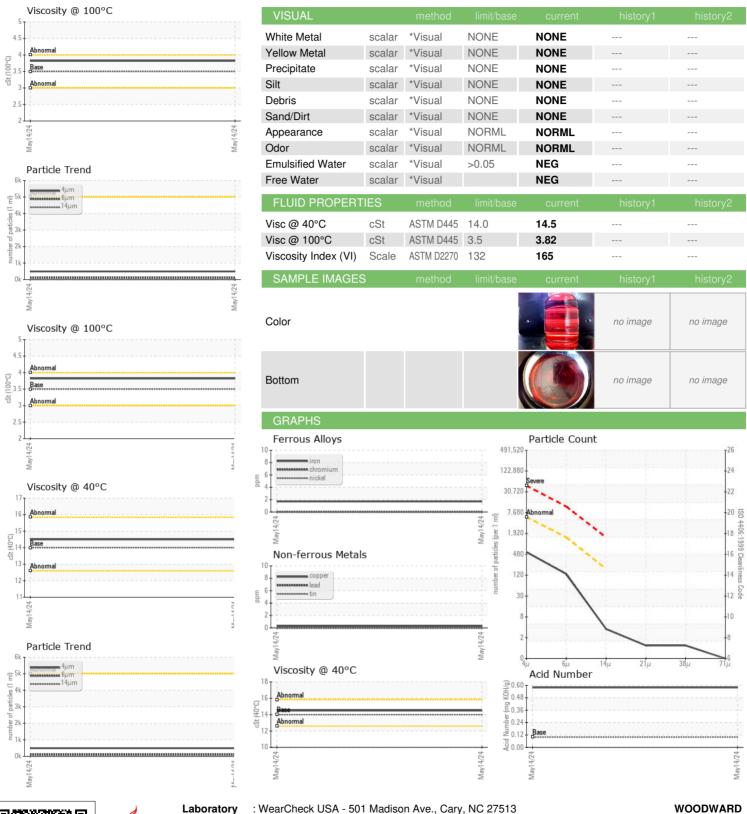
Acid Number (AN)

mg KOH/g ASTM D8045 0.1

0.58



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Certificate 12367

Laboratory Sample No. Lab Number

: WC0933772 : 06185639

Received **Tested** Unique Number : 11036965 Diagnosed

: 20 May 2024 : 29 May 2024 Test Package : PLANT (Additional Tests: KV100, VI)

: 29 May 2024 - Jonathan Hester

US 91355 Contact: REYNARD GOLDMAN reynard.goldman@woodward.com T: (661)702-5991

25200 W RYE CANYON RD

SANTA CLARITA, CA

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)