

## **OIL ANALYSIS REPORT**

### Sample Rating Trend





#### Recommendation

Resample at the next service interval to monitor.

#### Wear

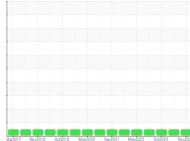
All component wear rates are normal.

#### 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.





SAMPLE INFORM	<b>MATION</b>	method	limit/base	current	history1	history2
Sample Number		Client Info		USP255342	USP245497	USP240835
Sample Date		Client Info		09 Nov 2023	27 Jan 2023	04 Oct 2022
Machine Age	mths	Client Info		0	0	0
Oil Age	mths	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	>15	0	2	2
Chromium	ppm	ASTM D5185m	>4	0	0	0
Nickel	ppm	ASTM D5185m	>2	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>10	0	0	0
Lead	ppm	ASTM D5185m		0	<1	0
Copper	ppm	ASTM D5185m	>5	<1	<1	0
Tin	ppm	ASTM D5185m	>5	0	1	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	5	0	0	0
Barium	ppm	ASTM D5185m	5	0	0	0
Molybdenum	ppm	ASTM D5185m	5	0	0	0
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m	5	0	2	0
Calcium	ppm	ASTM D5185m	10	0	4	0
Phosphorus	ppm	ASTM D5185m	275	7	9	0
Zinc	ppm	ASTM D5185m	7	0	2	0
Sulfur	ppm	ASTM D5185m	400	133	137	0
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	1	2	2
Sodium	ppm	ASTM D5185m		1	0	<1
Potassium	ppm	ASTM D5185m	>20	<1	4	<1
Water	%	ASTM D6304	>0.03	0.002	0.003	0.002
ppm Water	ppm	ASTM D6304	>300	22.2	27.6	20.9
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>2500	227	453	234
Particles >6µm		ASTM D7647	>640	81	106	42
Particles >14µm		ASTM D7647	>80	14	9	5
Particles >21µm		ASTM D7647	>20	4	2	1
Particles >38µm		ASTM D7647	>4	1	0	0
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>18/16/13	15/14/11	16/14/10	15/13/10
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.13	0.04	0.07	0.07



Water (KF)

Viscosity @ 40°C

1200

200

38

36

(0°04) (0°04) (0°04)

28

26

(m<sup>3</sup>

Usa 21

offind 2k

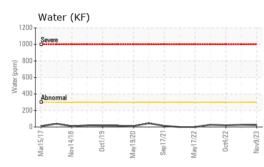
5 1k

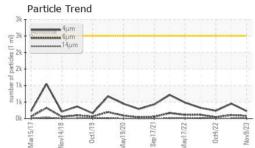
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Particle Trend

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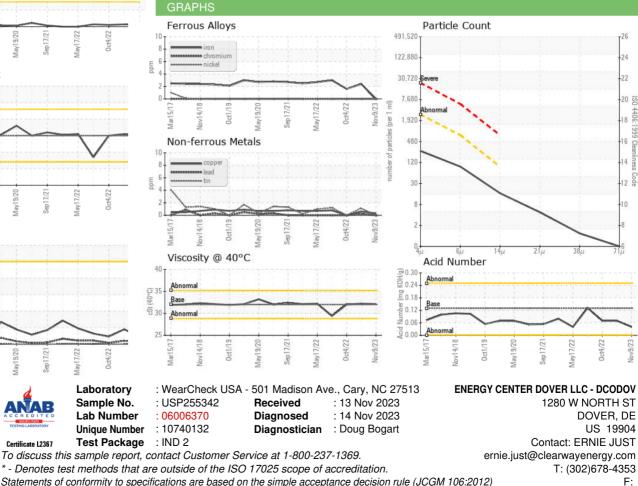
# **OIL ANALYSIS REPORT**







Bottom



Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Contact/Location: ERNIE JUST - NRGDOV