

OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id

NORD BLENDER 2 (S/N 261130)

Top Gearbox

TOTAL ENERGY 220 (--- GAL)

Recommendation

Resample at the next service interval to monitor.

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.

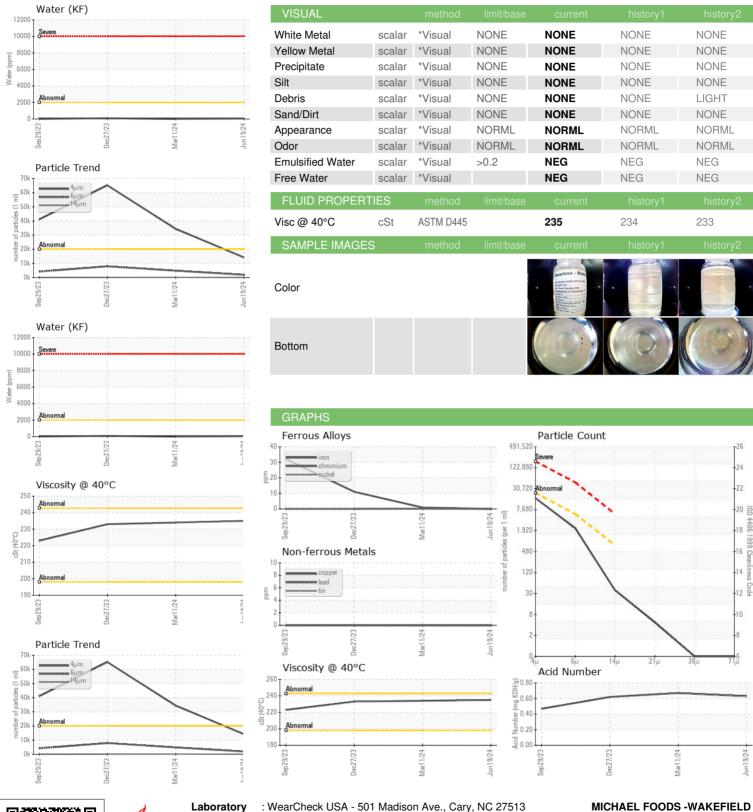
Fluid Condition

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

		Sep.202	3 Dec2023	Marž024 Ju	in2024	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		USP0013027	USP0006025	USP0004692
Sample Date		Client Info		19 Jun 2024	11 Mar 2024	27 Dec 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed	1113	Client Info		N/A	N/A	N/A
Sample Status		Ciletit iiilo		NORMAL	ATTENTION	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	nnm	ASTM D5185m	>200	0	<1	11
Chromium	ppm	ASTM D5185m		0	<1	0
Nickel	ppm		>15	0		0
	ppm	ASTM D5185m	>15		0	
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	0.5	0	0	0
Aluminum	ppm	ASTM D5185m	>25	0	0	0
Lead	ppm	ASTM D5185m	>100	0	0	0
Copper	ppm	ASTM D5185m	>200	0	0	0
Tin	ppm	ASTM D5185m	>25	0	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	<1	0
Magnesium	ppm	ASTM D5185m		0	0	0
Calcium	ppm	ASTM D5185m		0	<1	1
Phosphorus	ppm	ASTM D5185m		546	562	465
Zinc	ppm	ASTM D5185m		0	0	18
Sulfur	ppm	ASTM D5185m		509	555	382
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	2	2	2
Sodium	ppm	ASTM D5185m		0	2	4
Potassium	ppm	ASTM D5185m	>20	0	0	0
Water	%	ASTM D6304		0.005	0.001	0.008
ppm Water	ppm	ASTM D6304	>2000	51	2	90
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>20000	14200	34345	<u></u> 65115
Particles >6µm		ASTM D7647	>5000	1961	4841	7921
Particles >14µm		ASTM D7647	>640	33	175	122
Particles >21µm		ASTM D7647	>160	4	43	14
Particles >38µm		ASTM D7647	>40	0	1	1
Particles >71µm		ASTM D7647	>10	0	0	0
Oil Cleanliness		ISO 4406 (c)	>21/19/16	21/18/12	22/19/15	△ 23/20/14
FLUID DEGRADA	TION _	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.63	0.67	0.62
, tota (variable (Atv)	my norry	, 10 TWI D0040		0.00	0.07	0.02



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Certificate 12367

Laboratory Sample No. Lab Number

: USP0013027 : 06221254 Unique Number : 11099451

Test Package : IND 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 26 Jun 2024

Tested : 27 Jun 2024 Diagnosed

: 28 Jun 2024 - Doug Bogart

To discuss this sample report, contact Customer Service at 1-800-237-1369.

 st - 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)

105 NORTH MAIN STREET

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