



# OIL ANALYSIS REPORT

WEAR	<b>NORMAL</b>
CONTAMINATION	<b>SEVERE</b>
FLUID CONDITION	<b>NORMAL</b>

Area  
**Site Services**  
Machine Id  
**[TM-474-466-001] ID Fan**

Component  
**Non-Drive End Bearing**  
Fluid  
**ESSO NUTO H ISO 68 (1 GAL)**

## RECOMMENDATION

We advise that you check all areas where contaminants can enter the system. We advise that you perform a filter service, and use off-line filtration to improve the cleanliness of the system fluid. The air breather requires service. If unrated, we recommend that you replace with a suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather. Resample in 30-45 days to monitor this situation.

## WEAR

All component wear rates are normal.

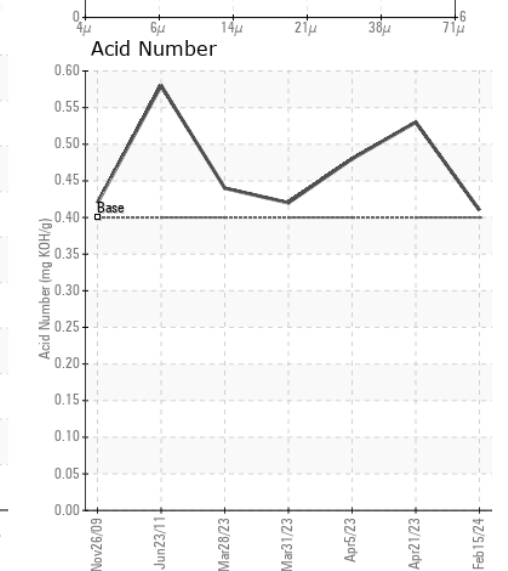
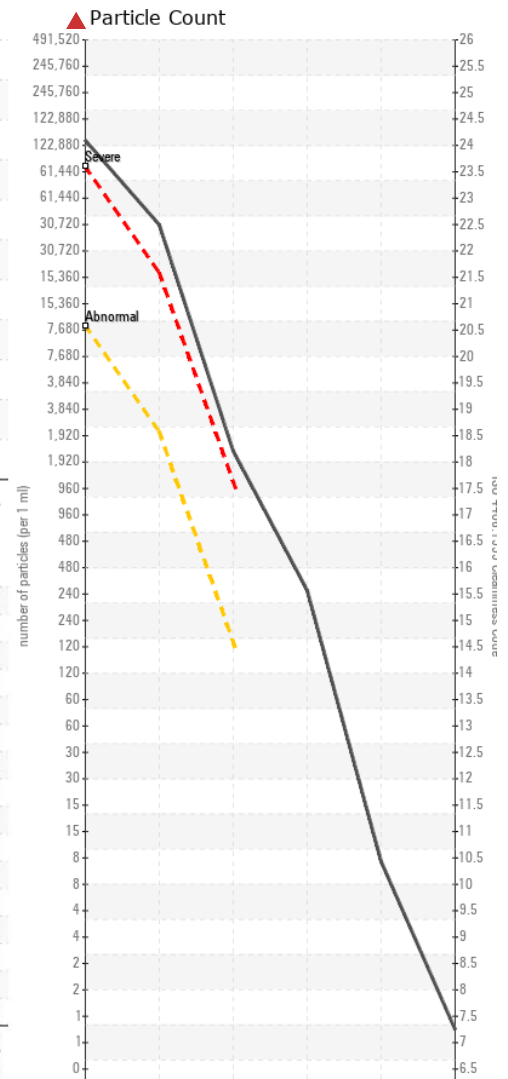
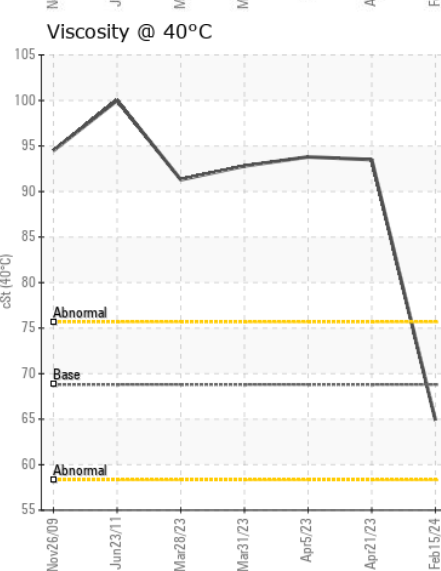
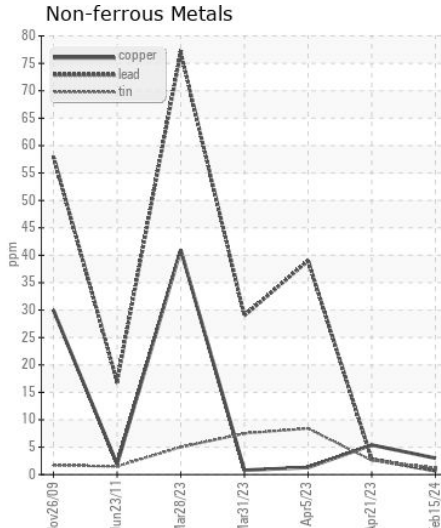
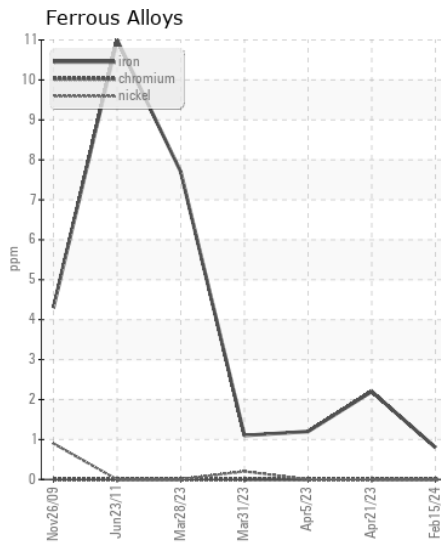
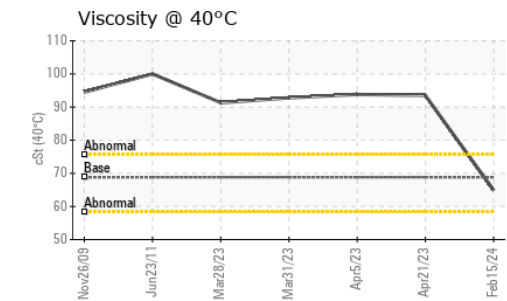
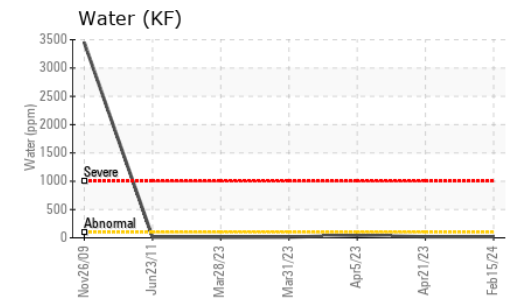
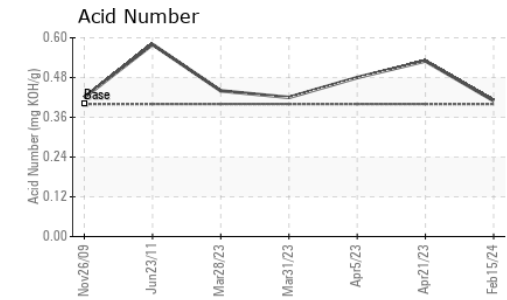
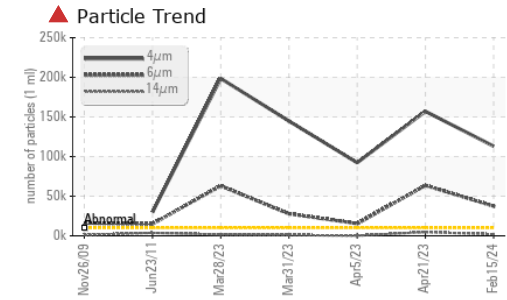
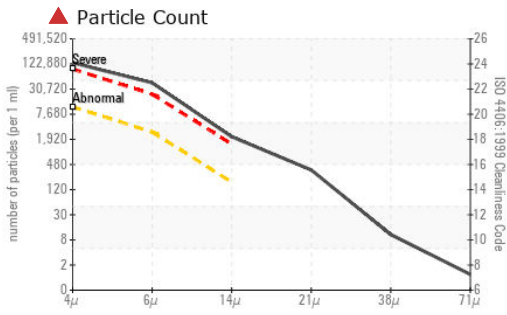
## CONTAMINATION

There is a high amount of particulates (2 to 100 microns in size) present in the oil. The water content is negligible.

## FLUID CONDITION

The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>WC0836637</b>	WC	PC
Sample Date		Client Info		<b>15 Feb 2024</b>	21 Apr 2023	05 Apr 2023
Machine Age	days	Client Info		<b>0</b>	0	0
Oil Age	days	Client Info		<b>20</b>	0	0
Filter Age	days	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>N/A</b>	N/A	N/A
Filter Changed		Client Info		<b>N/A</b>	N/A	N/A
Sample Status				<b>SEVERE</b>	SEVERE	ATTENTION
Iron	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	2	1
Chromium	ppm	ASTM D5185(m)	>20	<b>0</b>	0	0
Nickel	ppm	ASTM D5185(m)	>20	<b>0</b>	0	0
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Silver	ppm	ASTM D5185(m)		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	0	0
Lead	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	3	39
Copper	ppm	ASTM D5185(m)	>20	<b>3</b>	5	1
Tin	ppm	ASTM D5185(m)	>20	<b>1</b>	3	8
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0
White Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Silicon	ppm	ASTM D5185(m)	>15	<b>&lt;1</b>	4	2
Potassium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	<1	0
Water	%	ASTM D6304*	>2	<b>0.002</b>	0.002	0.004
ppm Water	ppm	ASTM D6304*		<b>19</b>	18.0	41.7
Particles >4µm		ASTM D7647	>10000	<b>▲ 113132</b>	▲ 157084	92281
Particles >6µm		ASTM D7647	>2500	<b>▲ 37513</b>	▲ 63665	15411
Particles >14µm		ASTM D7647	>160	<b>▲ 1941</b>	▲ 4709	138
Particles >21µm		ASTM D7647	>40	<b>▲ 313</b>	▲ 1080	29
Particles >38µm		ASTM D7647	>10	<b>9</b>	▲ 27	2
Particles >71µm		ASTM D7647	>3	<b>1</b>	1	0
Oil Cleanliness		ISO 4406 (c)	>20/18/14	<b>▲ 24/22/18</b>	▲ 24/23/19	24/21/14
Silt	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	Visual*	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	Visual*	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	Visual*	>2	<b>NEG</b>	NEG	NEG
Sodium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Boron	ppm	ASTM D5185(m)	0	<b>0</b>	<1	0
Barium	ppm	ASTM D5185(m)	0	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185(m)	0	<b>0</b>	0	0
Manganese	ppm	ASTM D5185(m)		<b>0</b>	0	0
Magnesium	ppm	ASTM D5185(m)	5	<b>&lt;1</b>	<1	<1
Calcium	ppm	ASTM D5185(m)	50	<b>51</b>	60	52
Phosphorus	ppm	ASTM D5185(m)	330	<b>348</b>	363	373
Zinc	ppm	ASTM D5185(m)	420	<b>424</b>	426	415
Sulfur	ppm	ASTM D5185(m)	3100	<b>6374</b>	2742	2857
Acid Number (AN)	mg KOH/g	ASTM D974*	.40	<b>0.41</b>	0.53	0.48
Visc @ 40°C	cSt	ASTM D7279(m)	68.8	<b>64.9</b>	93.5	93.8



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0836637 **Received** : 20 Feb 2024  
**Lab Number** : 02616662 **Tested** : 21 Feb 2024  
**Unique Number** : 5733772 **Diagnosed** : 21 Feb 2024 - Wes Davis  
**Test Package** : IND 2 ( Additional Tests: KF )

To discuss this sample report, contact Customer Service at 1-800-268-2131.  
 Test denoted (\*) outside scope of accreditation, (m) method modified, (e) tested at external lab.  
 Validity of results and interpretation are based on the sample and information as supplied.

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