



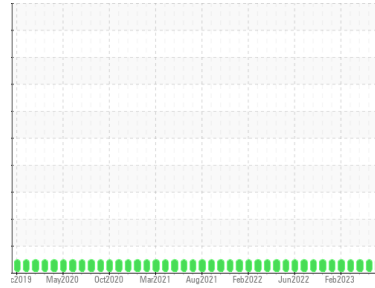
OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Area
CRM74
 Machine Id
CRM 74 GEAR LUBRICATION MAIN TANK (S/N 16-2400-1030)
 Component
Tank Bulk Fluid Tank
 Fluid
GEAR OIL ISO 320 (2510 GAL)



DIAGNOSIS

Recommendation

Little or no information is provided as to the component and lubricant being tested. Recommendations are therefore generic in nature and may not apply to the current application. Please forward information as to equipment type, reservoir capacity, lubricant type and any pertinent information to allow for a more accurate assessment. Resample at the next service interval to monitor. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample. Please specify the brand, type, and viscosity of the oil on your next sample.

Wear

All component wear rates are normal.

Contamination

The water content is negligible. There is no indication of any contamination in the oil.

Fluid Condition

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

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		RP0035177	RP0035519	RP0034446
Sample Date	Client Info		19 Jul 2023	14 Jun 2023	18 May 2023
Machine Age	Client Info		0	0	0
Oil Age	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
PQ	ASTM D8184		30	24	19
Iron	ppm ASTM D5185m	>200	40	40	40
Chromium	ppm ASTM D5185m	>15	0	0	<1
Nickel	ppm ASTM D5185m	>15	0	0	0
Titanium	ppm ASTM D5185m		0	0	0
Silver	ppm ASTM D5185m		<1	0	0
Aluminum	ppm ASTM D5185m	>25	0	<1	0
Lead	ppm ASTM D5185m	>100	0	0	0
Copper	ppm ASTM D5185m	>200	<1	<1	<1
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	50	6	6	6
Barium	ppm ASTM D5185m	15	1	0	0
Molybdenum	ppm ASTM D5185m	15	0	0	0
Manganese	ppm ASTM D5185m		<1	<1	<1
Magnesium	ppm ASTM D5185m	50	2	2	1
Calcium	ppm ASTM D5185m	50	9	7	7
Phosphorus	ppm ASTM D5185m	350	181	178	170
Zinc	ppm ASTM D5185m	100	19	2	13

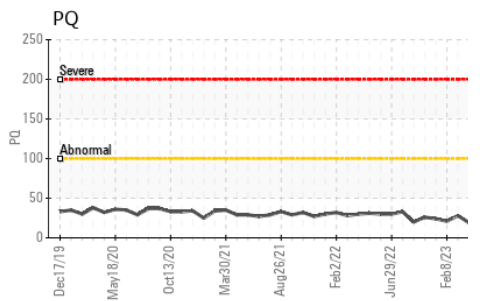
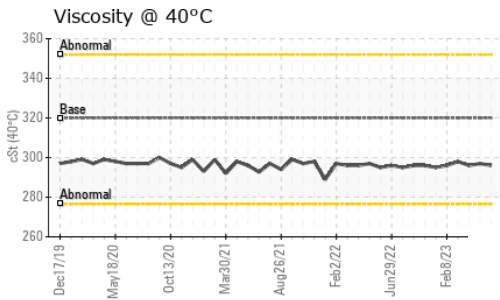
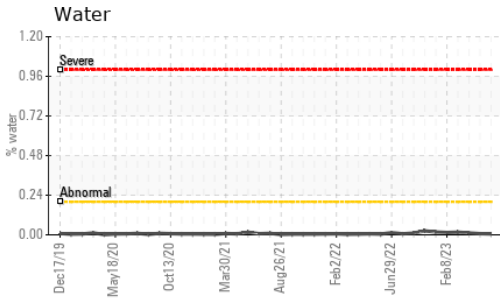
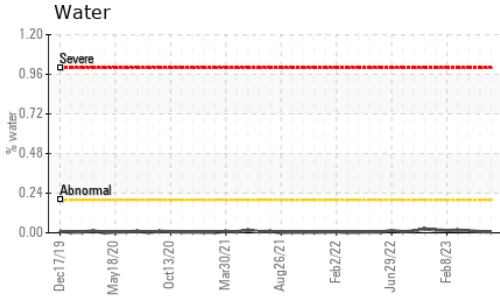
CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m	>50	<1	0	<1
Sodium	ppm ASTM D5185m		0	<1	0
Potassium	ppm ASTM D5185m	>20	1	0	1
Water	% ASTM D6304	>0.2	0.005	0.007	0.012
ppm Water	ppm ASTM D6304	>2000	53.3	70.4	122.0

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g ASTM D8045	0.85	0.58	0.52	0.52

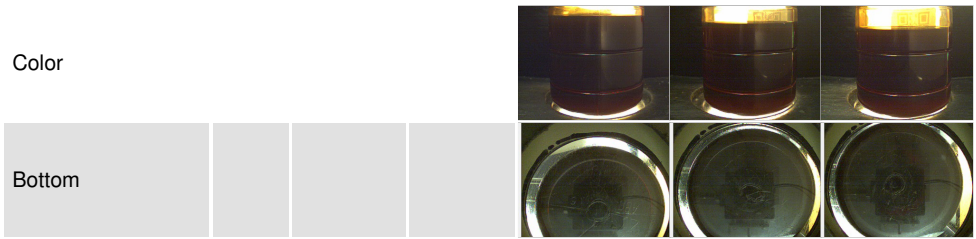
OIL ANALYSIS REPORT



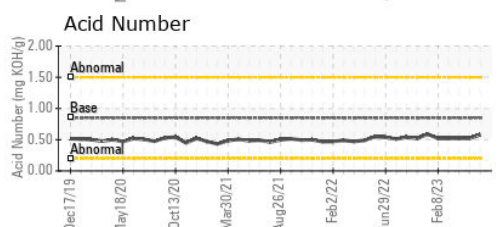
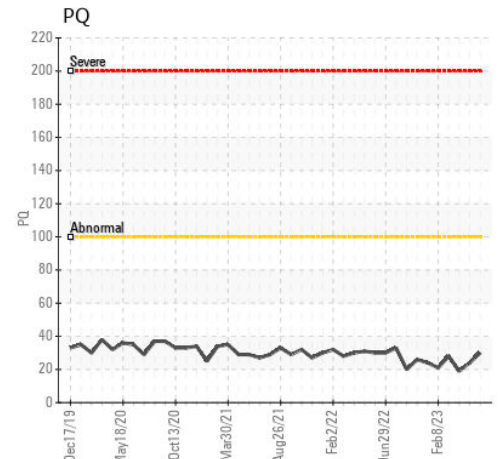
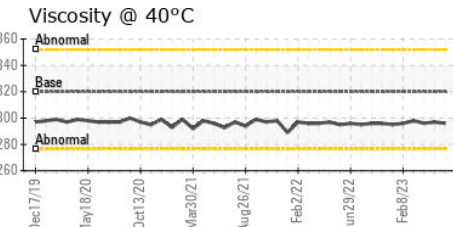
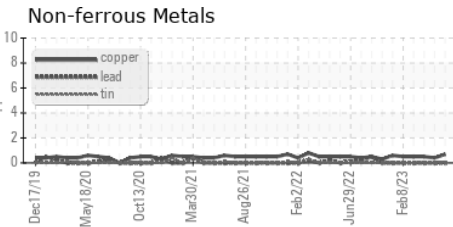
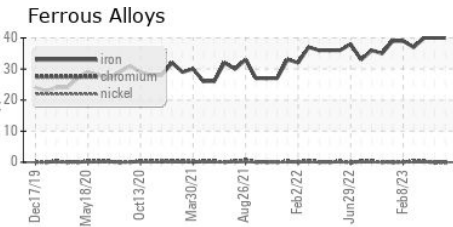
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	320	296	297

SAMPLE IMAGES	method	limit/base	current	history1	history2
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GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : RP0035177 **Received** : 20 Jul 2023
Lab Number : 05903354 **Diagnosed** : 21 Jul 2023
Unique Number : 10564710 **Diagnostician** : Wes Davis
Test Package : IND 2 (Additional Tests: PQ)

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)

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