



OIL ANALYSIS REPORT

WEAR	ABNORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
[6186709]
 Machine Id
5001-PR32-EXT05
 Component
Gearbox
 Fluid
GEAR OIL ISO 150 (--- GAL)

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. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition. 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

PQ levels are abnormal. Iron ppm levels are abnormal. Gear wear is indicated. The high ferrous density (PQ) index indicates that abnormal wear is occurring.

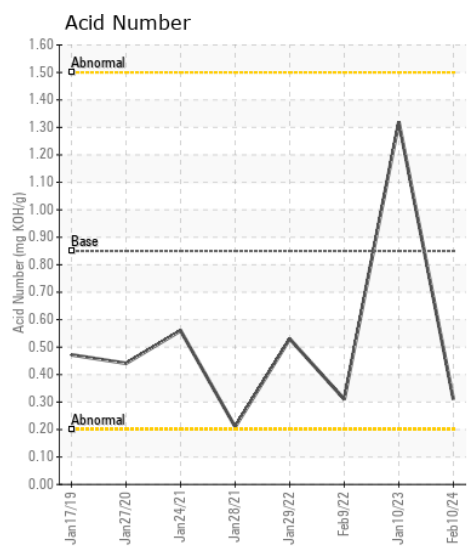
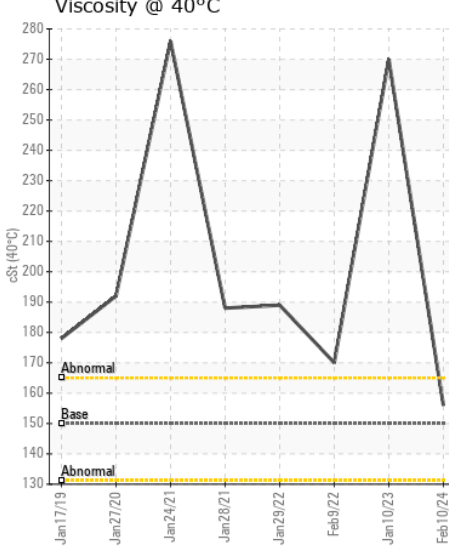
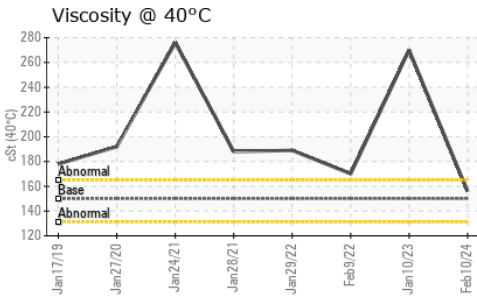
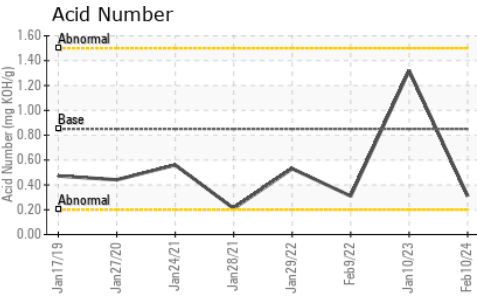
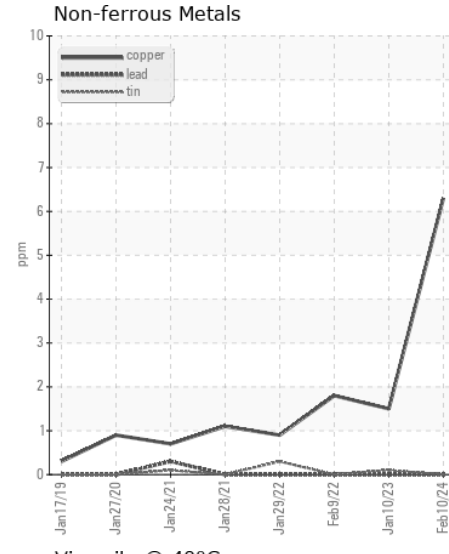
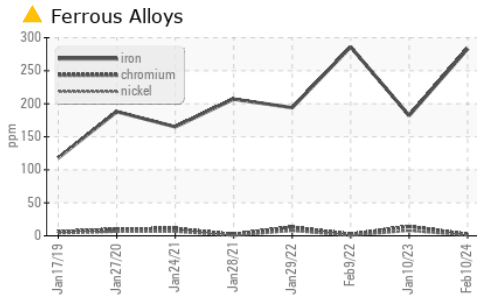
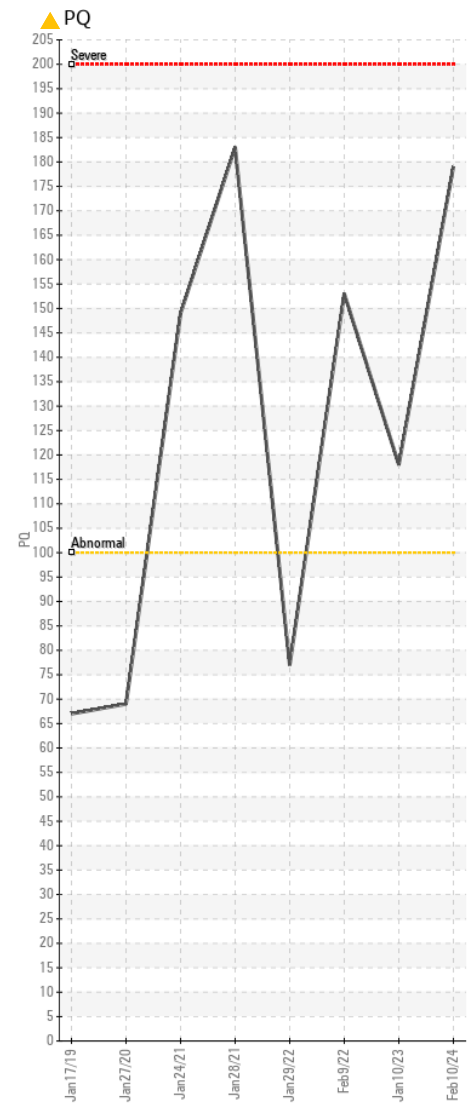
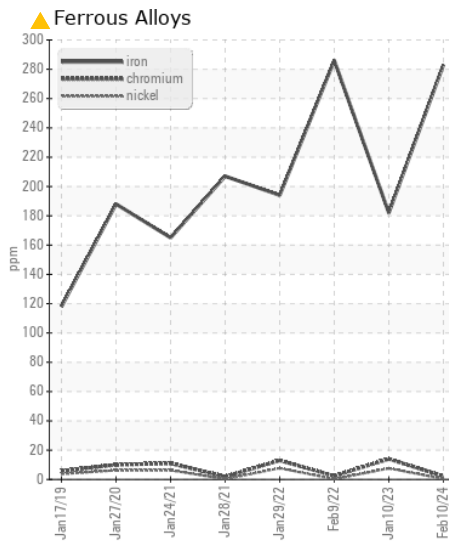
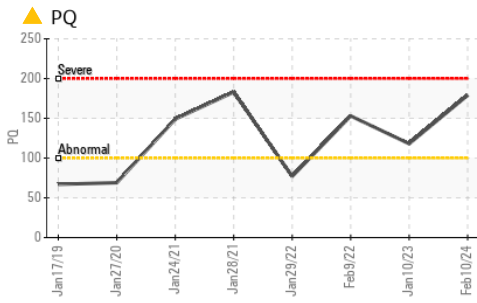
CONTAMINATION

There is no indication of any contamination in the oil.

FLUID CONDITION

The AN level is acceptable for this fluid. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		CB0031534	CB0031072	CB
Sample Date		Client Info		10 Feb 2024	10 Jan 2023	09 Feb 2022
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
PQ		ASTM D8184*		▲ 179	118	153
Iron	ppm	ASTM D5185(m)	>200	▲ 283	182	▲ 286
Chromium	ppm	ASTM D5185(m)	>15	2	14	2
Nickel	ppm	ASTM D5185(m)	>15	<1	8	<1
Titanium	ppm	ASTM D5185(m)		0	<1	0
Silver	ppm	ASTM D5185(m)		0	0	<1
Aluminum	ppm	ASTM D5185(m)	>25	<1	14	<1
Lead	ppm	ASTM D5185(m)	>100	0	0	0
Copper	ppm	ASTM D5185(m)	>200	6	2	2
Tin	ppm	ASTM D5185(m)	>25	0	<1	0
Vanadium	ppm	ASTM D5185(m)		0	0	0
White Metal	scalar	Visual*	NONE	VLITE	NONE	VLITE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185(m)	>50	2	18	2
Potassium	ppm	ASTM D5185(m)	>20	<1	<1	<1
Water		WC Method	>0.2	NEG	NEG	NEG
Silt	scalar	Visual*	NONE	VLITE	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	NONE	VLITE
Sand/Dirt	scalar	Visual*	NONE	NONE	VLITE	NONE
Appearance	scalar	Visual*	NORML	NORML	NORML	NORML
Odor	scalar	Visual*	NORML	NORML	NORML	NORML
Emulsified Water	scalar	Visual*	>0.2	NEG	▲ .2%	NEG
Sodium	ppm	ASTM D5185(m)		0	6	0
Boron	ppm	ASTM D5185(m)	50	2	2	3
Barium	ppm	ASTM D5185(m)	15	0	0	0
Molybdenum	ppm	ASTM D5185(m)	15	0	1	<1
Manganese	ppm	ASTM D5185(m)		2	3	2
Magnesium	ppm	ASTM D5185(m)	50	0	<1	0
Calcium	ppm	ASTM D5185(m)	50	<1	27	1
Phosphorus	ppm	ASTM D5185(m)	350	187	386	169
Zinc	ppm	ASTM D5185(m)	100	7	141	4
Sulfur	ppm	ASTM D5185(m)	12500	12009	12914	10048
Acid Number (AN)	mg KOH/g	ASTM D974*	0.85	0.31	1.32	0.31
Visc @ 40°C	cSt	ASTM D7279(m)	150	156	▲ 270	170



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : CB0031534
Lab Number : 02618154
Unique Number : 5735264
Test Package : IND 2 (Additional Tests: TAN Man)
Received : 26 Feb 2024
Tested : 27 Feb 2024
Diagnosed : 28 Feb 2024 - Kevin Marson

Synovos/Apotex
 50 Steinway Blvd.
 Etobicoke, ON
 CA M9W 6Y3
 Contact: Emmanuel Okelue
 eokelue@apotex.com

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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