



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ABNORMAL

Area
(YJT) [11147962]

Machine Id
[YJT] RAYTHEON/COSSAIR N/A PED #01 MOTOR #1 (S/N M510832 HOA7819503)

Component
Circulating Pump

Fluid
MOBIL SHC 629 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC965262	WC965264	WC979411
Sample Date		Client Info		25 Apr 2024	19 Apr 2023	26 Nov 2019
Machine Age	yrs	Client Info		0	0	0
Oil Age	yrs	Client Info		1	0	1
Filter Age	yrs	Client Info		1	0	1
Oil Changed		Client Info		Not Chngd	Changed	Not Chngd
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				ABNORMAL	ABNORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184*		0	0	5
Iron	ppm	ASTM D5185(m)	>90	0	0	11
Chromium	ppm	ASTM D5185(m)	>5	0	0	<1
Nickel	ppm	ASTM D5185(m)	>5	0	<1	<1
Titanium	ppm	ASTM D5185(m)	>3	0	0	0
Silver	ppm	ASTM D5185(m)	>3	0	0	0
Aluminum	ppm	ASTM D5185(m)	>7	0	0	<1
Lead	ppm	ASTM D5185(m)	>12	0	0	<1
Copper	ppm	ASTM D5185(m)	>30	0	0	<1
Tin	ppm	ASTM D5185(m)	>9	0	0	0
Vanadium	ppm	ASTM D5185(m)		0	0	0
White Metal	scalar	Visual*	NONE	NONE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	NONE

CONTAMINATION

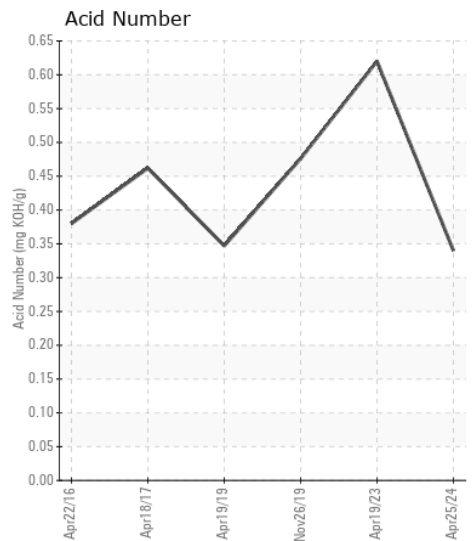
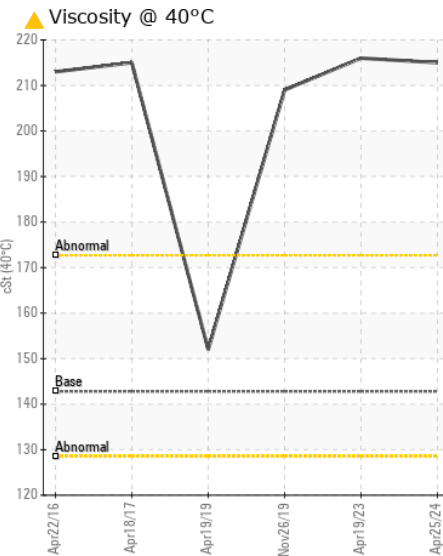
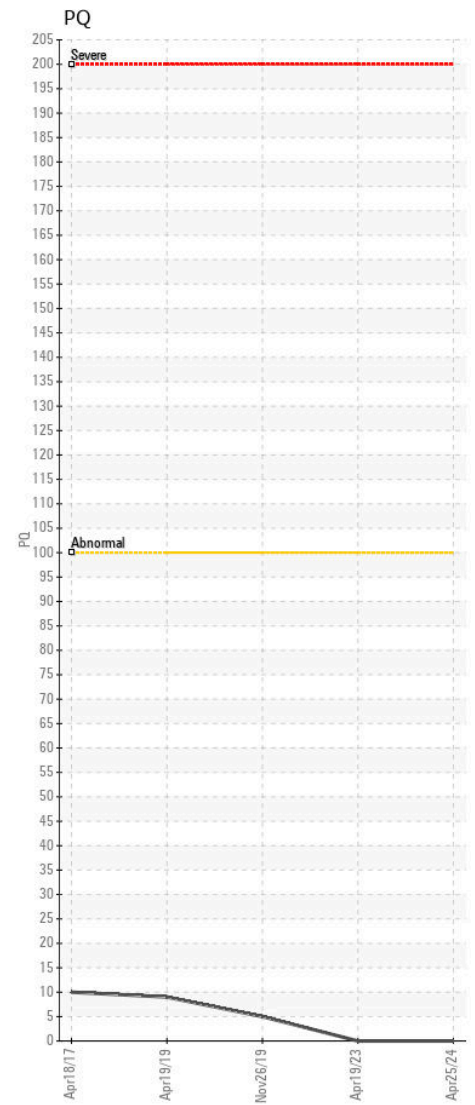
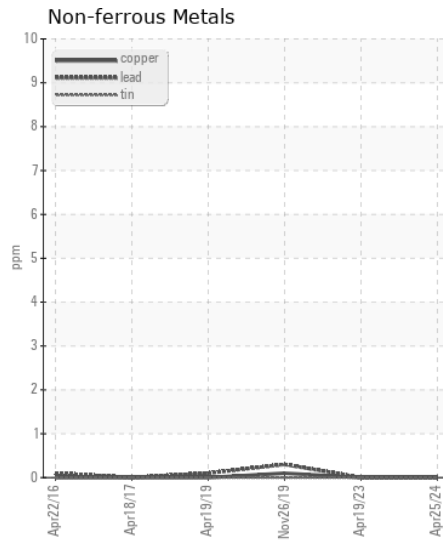
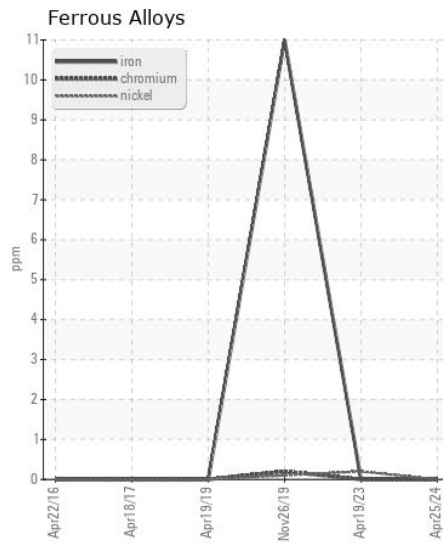
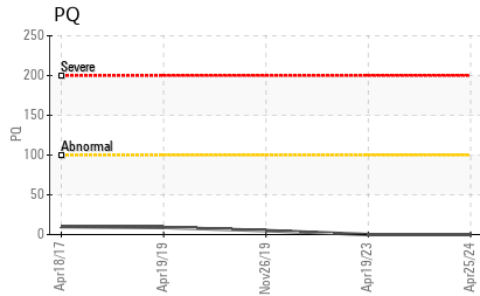
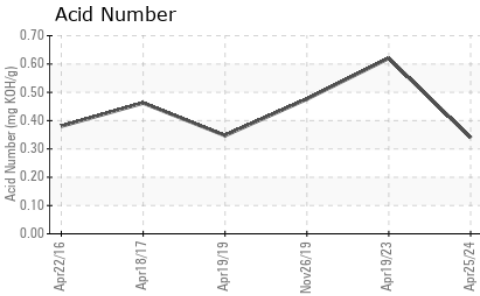
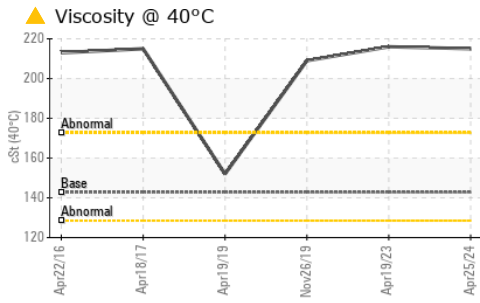
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>60	17	15	11
Potassium	ppm	ASTM D5185(m)	>20	0	<1	<1
Water		WC Method	>.1	NEG	NEG	NEG
Silt	scalar	Visual*	NONE	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE	NONE
Appearance	scalar	Visual*	NORML	NORML	NORML	NORML
Odor	scalar	Visual*	NORML	NORML	NORML	NORML
Emulsified Water	scalar	Visual*	>.1	NEG	NEG	NEG

FLUID CONDITION

Viscosity of sample indicates oil is within ISO 220 range, advise investigate. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185(m)		<1	0	0
Boron	ppm	ASTM D5185(m)		<1	<1	<1
Barium	ppm	ASTM D5185(m)		0	0	<1
Molybdenum	ppm	ASTM D5185(m)		0	0	0
Manganese	ppm	ASTM D5185(m)		0	0	<1
Magnesium	ppm	ASTM D5185(m)		<1	<1	<1
Calcium	ppm	ASTM D5185(m)		0	0	1
Phosphorus	ppm	ASTM D5185(m)		416	484	417
Zinc	ppm	ASTM D5185(m)		2	1	4
Sulfur	ppm	ASTM D5185(m)		84	70	212
Acid Number (AN)	mg KOH/g	ASTM D974*		0.34	0.62	0.476
Visc @ 40°C	cSt	ASTM D7279(m)	142.8	▲ 215	▲ 216	209



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC965262
Lab Number : 02634759
Unique Number : 5775912
Test Package : IND 2
Received : 10 May 2024
Tested : 13 May 2024
Diagnosed : 13 May 2024 - Kevin Marson

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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.