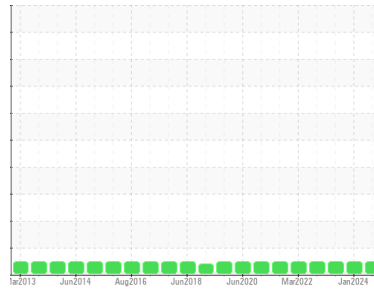


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Area

DRYING

Machine Id

[DRYING] DB-12012 DB-12012

Component

Gearbox

Fluid

PETRO CANADA PURITY FG SYNTH EP GEAR 220 (15 GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

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	PCA0125523	PCA0115295	PCA0080370
Sample Date	Client Info	25 Jun 2024	13 Jan 2024	16 May 2023
Machine Age	hrs	Client Info	0	0
Oil Age	hrs	Client Info	0	0
Oil Changed	Client Info	N/A	N/A	N/A
Sample Status		NORMAL	NORMAL	NORMAL

CONTAMINATION

method	limit/base	current	history1	history2
Water	WC Method >0.2	NEG	NEG	NEG

WEAR METALS

method	limit/base	current	history1	history2
PQ	ASTM D8184	13	14	13
Iron	ppm	ASTM D5185m >200	<1	<1
Chromium	ppm	ASTM D5185m >15	<1	<1
Nickel	ppm	ASTM D5185m >15	0	0
Titanium	ppm	ASTM D5185m	<1	<1
Silver	ppm	ASTM D5185m	0	0
Aluminum	ppm	ASTM D5185m >25	3	1
Lead	ppm	ASTM D5185m >100	0	0
Copper	ppm	ASTM D5185m >200	<1	1
Tin	ppm	ASTM D5185m >25	0	0
Vanadium	ppm	ASTM D5185m	0	0
Cadmium	ppm	ASTM D5185m	0	0

ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0
Barium	ppm	ASTM D5185m	0	0
Molybdenum	ppm	ASTM D5185m	0	<1
Manganese	ppm	ASTM D5185m	0	0
Magnesium	ppm	ASTM D5185m	<1	<1
Calcium	ppm	ASTM D5185m	0	0
Phosphorus	ppm	ASTM D5185m	425	421
Zinc	ppm	ASTM D5185m	7	3
Sulfur	ppm	ASTM D5185m	678	698

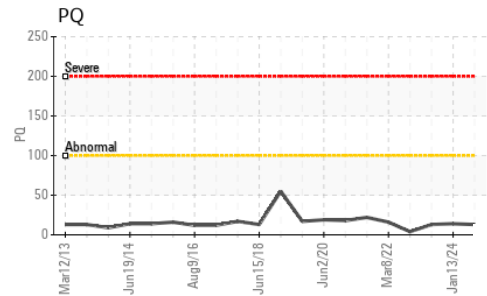
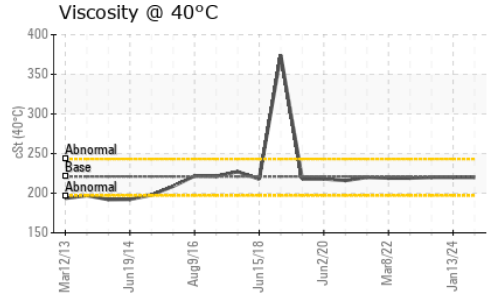
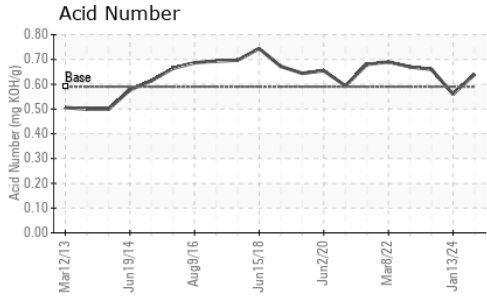
CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >50	1	5
Sodium	ppm	ASTM D5185m	<1	0
Potassium	ppm	ASTM D5185m >20	1	<1

FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 0.59	0.64	0.56

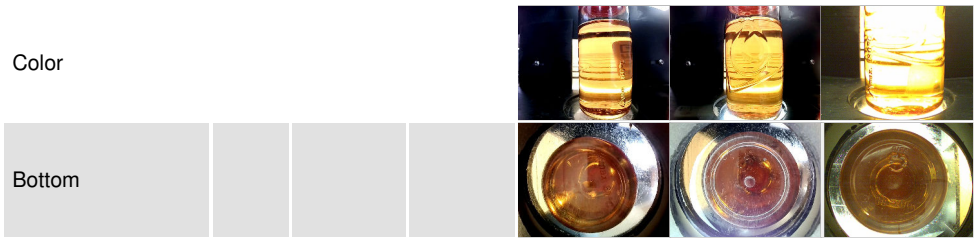
OIL ANALYSIS REPORT



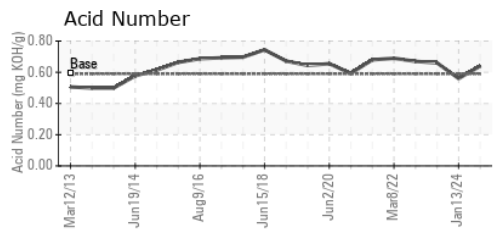
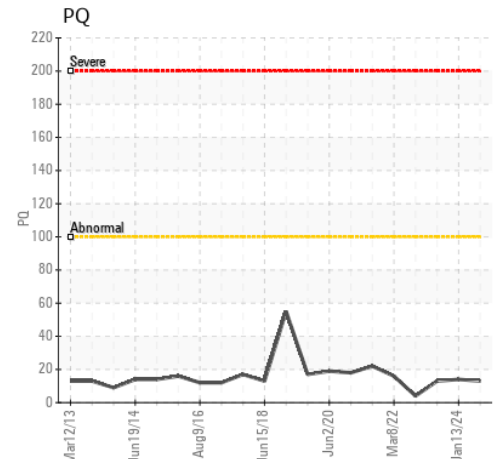
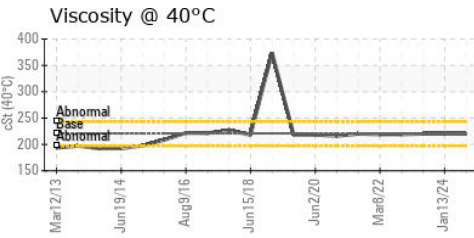
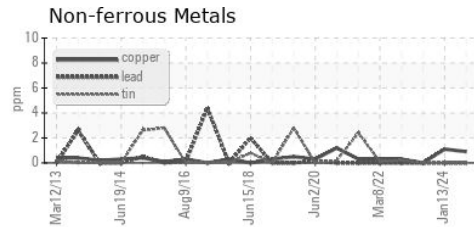
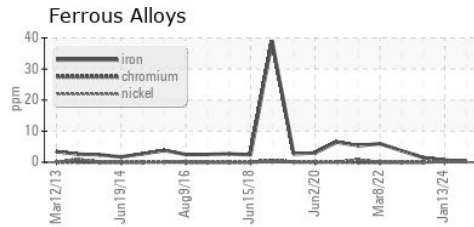
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	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	221	220	220

SAMPLE IMAGES	method	limit/base	current	history1	history2
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GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0125523
Lab Number : 06222463
Unique Number : 11100660
Test Package : IND 2 (Additional Tests: PQ)

Received : 27 Jun 2024
Tested : 28 Jun 2024
Diagnosed : 28 Jun 2024 - Wes Davis

THE HERSHEY COMPANY
 WEST HERSHEY - TECHNICAL ASSURANCE, 1033 OLDE WEST CHOCOLATE
 HERSHEY, PA
 US 17033
 Contact: BILL GEZIK
 bgezik@hersheys.com

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)