

WEAR ABNORMAL GREASE CONDITION ATTENTION CONTAMINANTS ABNORMAL

[450240063] Machine Id TURRET BEARING UPPER Component Grease

PETRO CANADA PRECISION SYNTHETIC (--- GAL)

RECOMMENDATION

We advise that you check for visible metal particles in the grease. We recommend that you re-grease the component if this has not already been done. Confirm the source of the lubricant being utilized for top-up/fill. We recommend an early resample to monitor this condition. The fluid was not specified, however, a fluid match indicates that this fluid is mostly PETRO CANADA PRECISION SYNTHETIC with possibly mixing with PETRO CANADA OG-1. Please confirm.

WEAR

PQ levels are abnormal. Chromium, iron and nickel ppm levels are abnormal. Moderate concentration of visible metal present. The high ferrous density (PQ) index indicates that abnormal wear is occurring. Abnormal wear is indicated.

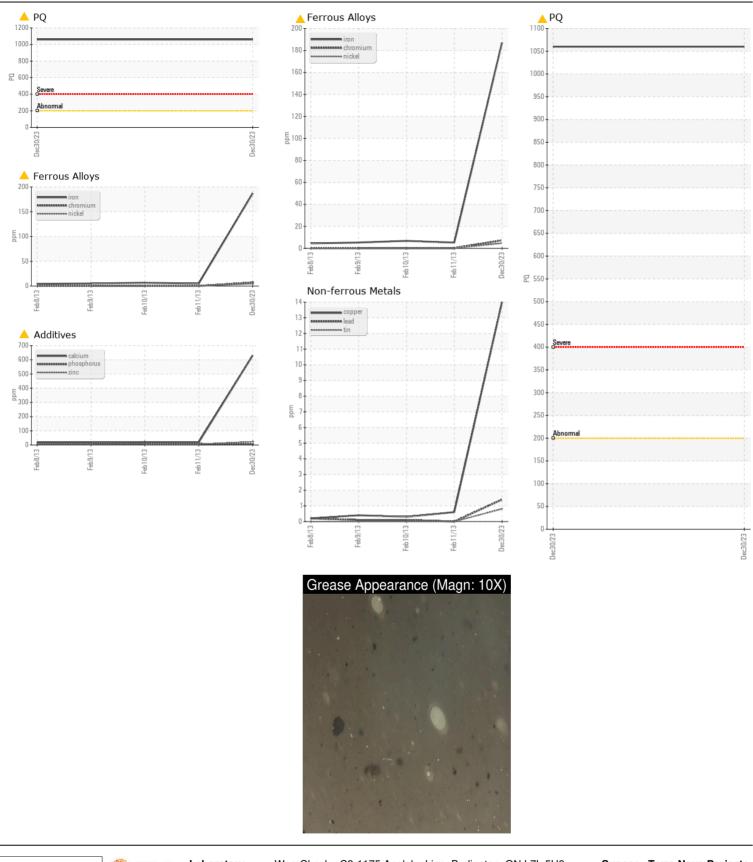
GREASE CONDITION

Additive levels indicate the addition of a different brand, or type of grease. The grease is no longer serviceable as a result of the abnormal and/or severe wear.

AL)						
Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PC	PC	PC
Sample Date		Client Info		30 Dec 2023	11 Feb 2013	10 Feb 2013
Machine Age	hrs	Client Info		0	0	0
Grease Age	hrs	Client Info		0	0	0
Grease Serviced		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	NORMAL	NORMAL
PQ		ASTM D8184*	>200	1060		
Iron	ppm	ASTM D5185(m)	>250	<u> </u>	5	7
Chromium	ppm	ASTM D5185(m)	>10	▲ 7	<1	<1
Nickel	ppm	ASTM D5185(m)	>5	<u> </u>	0	0
Titanium	ppm	ASTM D5185(m)		0	0	0
Vanadium	ppm	ASTM D5185(m)		0	0	0
Lead	ppm	ASTM D5185(m)	>25	1	0	<1
Copper	ppm	ASTM D5185(m)	>75	14	<1	<1
Tin	ppm	ASTM D5185(m)	>5	<1	0	0
Silver	ppm	ASTM D5185(m)	>5	<1	<1	<1
Boron	ppm	ASTM D5185(m)		12	1	1
Magnesium	ppm	ASTM D5185(m)		8	1	2
Manganese	ppm	ASTM D5185(m)		2	0	0
Molybdenum	ppm	ASTM D5185(m)		<1	<1	<1
Phosphorus	ppm	ASTM D5185(m)		6	8	9
Zinc	ppm	ASTM D5185(m)		1 23	6	5
Aluminum	ppm	ASTM D5185(m)		2	<1	0
Barium	ppm	ASTM D5185(m)		0	<1	<1
Calcium	ppm	ASTM D5185(m)		6 30	19	21
Sodium	ppm	ASTM D5185(m)		14	13	18
Lithium	ppm	ASTM D5185(m)		38	73	86
Sulfur	ppm	ASTM D5185(m)		395	489	517
Grease Color		Visual*	Gold	Brown		
Texture		In-house*	Buttery	Stringy		
NLGI Consistency	NLGI Scale	SKF Method*	1	1		
Water		WC Method	>0.1	NEG	NEG	NEG
Silicon	ppm	ASTM D5185(m)	>150	4	<1	<1
Potassium	ppm	ASTM D5185(m)		2	0	1

CONTAMINANTS

Moderate concentration of visible dirt/debris present in the grease. High concentration of visible dirt/debris present in the grease.



: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 Laboratory CALA Sample No. : PC Recieved : 17 Jan 2024 Lab Number : 02609585 Diagnosed : 19 Jan 2024 ISO 17025:2017 Accredited Laboratory : 5710671 Diagnostician : Bill Quesnel Unique Number Test Package : GRS 1 (Additional Tests: BottomAnalysis) 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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