

PROBLEM SUMMARY

Sample Rating Trend

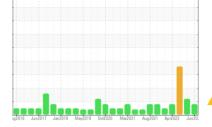
ISO

MP-105

B45056 - PUMP VACUUM MAIN BUSCH RA 630 HAM LINE 2 (TOP) B45056 (S/N 200008547)

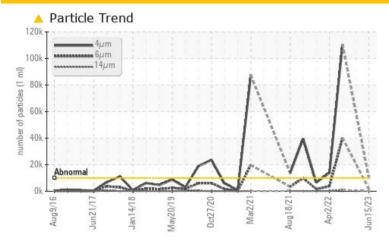
Component
Top Vacuum Pump
Fluid

PETRO CANADA PURITY FG SYNTHETIC 100 (15 LTR)





COMPONENT CONDITION SUMMARY



RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS										
Sample Status			ATTENTION	ABNORMAL	ABNORMAL					
Particles >4µm	ASTM D7647	>10000	10794		<u>110699</u>					
Oil Cleanliness	ISO 4406 (c)	>20/18/15	21/18/14		24/23/17					

Customer Id: HORAUS **Sample No.:** WC0799676 Lab Number: 05881442 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data: Jonathan Hester +1 919-379-4092 x4092 ihester@wearcheckusa.com

To change component or sample information: Customer Service +1 1-800-237-1369 customerservice@wearcheck.com

RECOMMENDED ACTIONS

There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS

25 Mar 2023 Diag: Don Baldridge

VISUAL METAL



We advise that you inspect for possible wear. Resample at the next service interval to monitor. We were unable to perform a particle count due to metal particles present in this sample. Moderate concentration of visible metal present. All component wear rates are normal. No other contaminants were detected in the oil. The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.



12 Feb 2023 Diag: Doug Bogart

WATER



We advise that you follow the water drain-off procedure for this component. Resample at the next service interval to monitor. All component wear rates are normal. There is a high amount of particulates present in the oil. Free water present. Additive levels indicate the addition of a different brand, or type of oil. Confirm oil type. The AN level is acceptable for this fluid.



02 Apr 2022 Diag: Jonathan Hester

ISO



No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. There is a moderate amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.





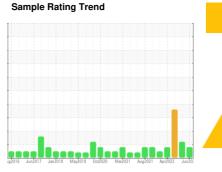
OIL ANALYSIS REPORT

MP-105

B45056 - PUMP VACUUM MAIN BUSCH RA 630 HAM LINE 2 (TOP) B45056 (S/N 200008547)

Top Vacuum Pump

PETRO CANADA PURITY FG SYNTHETIC 100 (15 LTR)





DIAGNOSIS

Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is a moderate amount of silt (particulates < 6 microns in size) present in the oil.

Fluid Condition

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

0.1.151						
SAMPLE INFORM	MATION	method	limit/base	current	history 1	history 2
Sample Number		Client Info		WC0799676	WC0781498	WC0774933
Sample Date		Client Info		15 Jun 2023	25 Mar 2023	12 Feb 2023
Machine Age	wks	Client Info		0	0	0
Oil Age	wks	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ATTENTION	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history 1	history 2
Iron	ppm	ASTM D5185m	>20	<1	6	2
Chromium	ppm	ASTM D5185m	>20	<1	0	0
Nickel	ppm	ASTM D5185m	>20	<1	<1	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>20	0	1	0
Lead	ppm	ASTM D5185m	>20	0	0	0
Copper	ppm	ASTM D5185m	>20	0	<1	0
Tin	ppm	ASTM D5185m	>20	0	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history 1	history 2
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		<1	0	0
Magnesium	ppm	ASTM D5185m		0	0	<1
Calcium	ppm	ASTM D5185m		12	0	9
Phosphorus	ppm	ASTM D5185m		74	369	<u> 5</u>
Zinc	ppm	ASTM D5185m		0	4	8
Sulfur	ppm	ASTM D5185m		267	1179	120
CONTAMINANTS	3	method	limit/base	current	history 1	history 2
Silicon	ppm	ASTM D5185m	>15	7	3	10
Sodium	ppm	ASTM D5185m		<1	0	0
Potassium	ppm	ASTM D5185m	>20	3	<1	<1
FLUID CLEANLIN	IESS	method	limit/base	current	history 1	history 2
Particles >4μm		ASTM D7647	>10000	10794		<u> </u>
Particles >6µm		ASTM D7647	>2500	2244		▲ 40032
Particles >14μm		ASTM D7647	>320	95		<u> </u>
Particles >21µm		ASTM D7647	>80	15		59
Particles >38μm		ASTM D7647	>20	0		0
Particles >71μm		ASTM D7647	>4	0		0
Oil Cleanliness		ISO 4406 (c)	>20/18/15	<u> </u>		<u>△</u> 24/23/17
FLUID DEGRADA	ATION	method	limit/base	current	history 1	history 2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.5	0.06	0.05	0.11



OIL ANALYSIS REPORT







Certificate L2367

Laboratory Sample No. Lab Number

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC0799676

: 05881442 **Unique Number** : 10526545

Diagnostician Test Package : IND 2 (Additional Tests: PrtCount) 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)

Received

Diagnosed

: 22 Jun 2023

: 30 Jun 2023

: Jonathan Hester

HORMEL FOODS - AUSTIN

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