

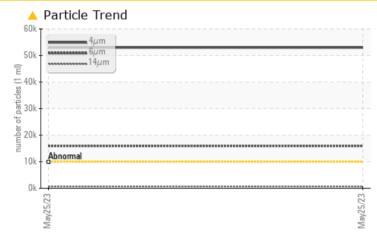
PROBLEM SUMMARY

Area CHIQUITA TROPICAL INGREDIENTS Machine Id 301-1 Component

Compressor

Fluid PETRO CANADA REFLO SYNTHETIC 68A LOW TEMP FLUID (205 GAL)

COMPONENT CONDITION SUMMARY



RECOMMENDATION

We recommend you service the filters on this component. We recommend an early resample to monitor this condition.

PROBLEMATIC TEST RESULTS

		-		
Sample Status			ABNORMAL	
Particles >4µm	ASTM D7647	>10000	<u> </u>	
Particles >6µm	ASTM D7647	>2500	🔺 15955	
Particles >14µm	ASTM D7647	>320	676	
Particles >21µm	ASTM D7647	>80	126	
Oil Cleanliness	ISO 4406 (c)	>20/18/15	<u> </u>	

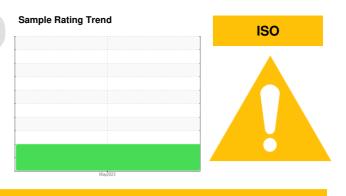
Customer Id: INDALA Sample No.: PC0077172 Lab Number: 02562229 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data: Wes Davis +1 905-569-8600 x223 wesd@wearcheck.ca

To change component or sample information: Gloria Gonzalez +1 (289)291-4643 x4643 gloria.gonzalez@wearcheck.com



RECOMMENDED	ACTIONS			
Action	Status	Date	Done By	Description
Change Filter			?	We recommend you service the filters on this component.
Resample			?	We recommend an early resample to monitor this condition.

HISTORICAL DIAGNOSIS



OIL ANALYSIS REPORT

CHIQUITA TROPICAL INGREDIENTS 301-1 Component

Compressor

Fluid PETRO CANADA REFLO SYNTHETIC 68A LOW TEMP FLUID (205 GAL

L)		1	
	May	2023	

ISO

Sample Rating Trend

DIAGNOSIS	SAMPLE INFO	RMATION	method	limit/base	current	history1	history2
A Recommendation	Sample Number		Client Info		PC0077172		
We recommend you service the filters on this	Sample Date		Client Info		25 May 2023		
component. We recommend an early resample to	Machine Age	yrs	Client Info		1		
monitor this condition.	Oil Age	yrs	Client Info		0		
Wear	Oil Changed		Client Info		N/A		
All component wear rates are normal.	Sample Status				ABNORMAL		
Contamination There is a moderate amount of silt (particulates <	WEAR META	LS	method	limit/base	current	history1	history2
14 microns in size) present in the oil.	Iron	ppm	ASTM D5185(m)	>50	<1		
Fluid Condition	Chromium	ppm	ASTM D5185(m)	>10	0		
The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.	Nickel	ppm	ASTM D5185(m)		<1		
	Titanium	ppm	ASTM D5185(m)		0		
	Silver	ppm	ASTM D5185(m)		0		
	Aluminum	ppm	ASTM D5185(m)		0		
	Lead	ppm	ASTM D5185(m)		0		
	Copper	ppm	ASTM D5185(m)		0		
	Tin	ppm	ASTM D5185(m)	>15	0		
	Antimony	ppm	ASTM D5185(m)		0		
	Vanadium	ppm	ASTM D5185(m)		0		
	Beryllium	ppm	ASTM D5185(m)		0		
	Cadmium	ppm	ASTM D5185(m)		0		
	ADDITIVES		method	limit/base	current	history1	history2
	Boron	ppm	ASTM D5185(m)	0	<1		
	Barium	ppm	ASTM D5185(m)	0	0		
	Molybdenum	ppm	ASTM D5185(m)	0	0		
	Manganese	ppm	ASTM D5185(m)		0		
	Magnesium	ppm	ASTM D5185(m)	0	0		
	Calcium	ppm	ASTM D5185(m)	0	0		
	Phosphorus	ppm	ASTM D5185(m)	0	•		
				0	0		
	Zinc	ppm	ASTM D5185(m)		0 <1		
	Zinc Sulfur			0			
		ppm	ASTM D5185(m)	0	<1		
	Sulfur	ppm ppm ppm	ASTM D5185(m) ASTM D5185(m)	0	<1 2		
	Sulfur Lithium	ppm ppm ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	0 0 limit/base	<1 2 <1		
	Sulfur Lithium CONTAMINA	ppm ppm ppm NTS ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) method ASTM D5185(m)	0 0 limit/base	<1 2 <1 current	 history1	 history2
	Sulfur Lithium CONTAMINA Silicon	ppm ppm ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) method	0 0 limit/base >25	<1 2 <1 <u>current</u> <1	 history1	 history2
	Sulfur Lithium CONTAMINA Silicon Sodium	ppm ppm ppm NTS ppm ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) method ASTM D5185(m) ASTM D5185(m)	0 0 limit/base >25 >20	<1 2 <1 <u>current</u> <1 <1	 history1 	 history2
	Sulfur Lithium CONTAMINA Silicon Sodium Potassium	ppm ppm ppm NTS ppm ppm ppm ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) Method ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	0 0 limit/base >25 >20 >0.1	<1 2 <1 current <1 <1 0	 history1 	 history2
	Sulfur Lithium CONTAMINA Silicon Sodium Potassium Water	ppm ppm ppm NTS ppm ppm ppm ppm % ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D6304* ASTM D6304*	0 0 limit/base >25 >20 >0.1	<1 2 <1 current <1 <1 0 0.00 0.00 0.00	 history1 	 history2
	Sulfur Lithium CONTAMINA Silicon Sodium Potassium Water ppm Water	ppm ppm ppm NTS ppm ppm ppm ppm % ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D6304* ASTM D6304*	0 0 limit/base >25 >20 >0.1 >1000 limit/base	<1 2 <1 current <1 <1 0 0.00 0.00 0.00	 history1 	 history2
	Sulfur Lithium CONTAMINA Silicon Sodium Potassium Water ppm Water FLUID CLEAN Particles >4µm	ppm ppm ppm NTS ppm ppm ppm ppm % ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D6304* ASTM D6304* ASTM D6304* ASTM D6304	0 0 1 225 >20 >0.1 >1000 1 1000 2 10000	<1 2 <1 current <1 <1 0 0 0.00 0.00 0.00 0.00 current	 history1 history1	 history2 history2
	Sulfur Lithium CONTAMINA Silicon Sodium Potassium Water ppm Water FLUID CLEAN	ppm ppm ppm NTS ppm ppm ppm ppm % ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D6304* ASTM D6304*	0 0 1 225 >20 >0.1 >1000 1 10000 >2500	<1 2 <1 current <1 <1 <1 <1 0 0 0.00 0.00 current <52980	 history1 history1 	 history2 history2 history2
	Sulfur Lithium CONTAMINA Silicon Sodium Potassium Water ppm Water FLUID CLEAN Particles >4µm Particles >6µm Particles >14µm	ppm ppm ppm NTS ppm ppm ppm ppm % ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D6304* ASTM D6304* ASTM D6304* ASTM D7647 ASTM D7647 ASTM D7647	0 0 1 225 >20 >0.1 >1000 1 imit/base >10000 >2500 >320	<1 2 <1 current <1 <1 <1 0 0 0.00 0.00 current 52980 ▲ 52980 ▲ 15955 ▲ 676	 history1 history1 	 history2 history2 history2
	Sulfur Lithium CONTAMINA Silicon Sodium Potassium Water ppm Water FLUID CLEAN Particles >4µm Particles >14µm Particles >21µm	ppm ppm ppm NTS ppm ppm ppm ppm % ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D6304* ASTM D6304* ASTM D6304* ASTM D7647 ASTM D7647	0 0 1 225 >20 >0.1 >1000 1 10000 >10000 >2500 >320 >80	<1 2 <1 current <1 <1 <1 <1 0 0 0.00 0.00 0.00 current	 history1 history1 history1 	 history2 history2 history2
	Sulfur Lithium CONTAMINA Silicon Sodium Potassium Water ppm Water FLUID CLEAN Particles >4µm Particles >6µm Particles >14µm	ppm ppm ppm NTS ppm ppm ppm ppm % ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D6304* ASTM D6304* ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	0 0 1 225 >20 >20 >0.1 >1000 1 imit/base >10000 >2500 >320 >320 >80 >20	<1 2 <1 current <1 <1 <1 0 0 0.00 0.00 current 52980 ▲ 52980 ▲ 15955 ▲ 676	 history1 history1 history1 	 history2 history2

Oil Cleanliness

ISO 4406 (c) >20/18/15 🔺 23/21/17



cSt (100°C)

f.

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OIL ANALYSIS REPORT

	DATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*	0.1	0.01		
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE		
Yellow Metal	scalar	Visual*	NONE	NONE		
	scalar	Visual*	NONE	NONE		
Sand/Dirt	scalar	Visual*	NONE	NONE		
Appearance	scalar	Visual*	NORML	NORML		
Odor	scalar	Visual*	NORML	NORML		
Emulsified Water	scalar	Visual*	>0.1	NEG		
Free Water	scalar	Visual*		NEG		
FLUID PROPE	RTIES	method	limit/base	current	history1	history
Visc @ 40°C	cSt	ASTM D7279(m)	61.8	59.8		
Visc @ 100°C	cSt	ASTM D7279(m)	8.89	8.9		
Viscosity Index (VI)	Scale	ASTM D2270*	119	125		
SAMPLE IMAG	ES	method	limit/base	current	history1	history
				A REAL PROPERTY AND A REAL		
Oslan						
Color				1110034	no image	no image
Bottom					no image	no image
-						
GRAPHS						
				Particle Count		
¹⁰ T						ľ
			122,880	Severe		-
			30,720	Abnormal		-1
2/53	************	***************	CZ 1 7,680			-1
May2!			1,920 g Lak			
Non-ferrous Metal	s		-pitter 480	·		
10 copper]			b 120	-		-
E 5 -			a 30	-		
0				3 -		
25/23			25/23	2-		
May			May	4	140 210	38µ 71µ
Viscosity @ 40°C			(B/)	da ala	. yn 12 yn	sope Th
			턴 0.19 토 0.10	Base		
0 65 0 60 0 55 0 55 0 4 0 60 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0			 ອຸດດາ			
			90.0 Mmber 23			
			May25/23	May25/23		
May25/23						
	Appearance Odor Emulsified Water Free Water FLUID PROPE Visc @ 40°C Visc @ 100°C Viscosity Index (VI) SAMPLE IMAC Color Bottom GRAPHS Ferrous Alloys	Silt scalar Debris scalar Sand/Dirt scalar Appearance scalar Odor scalar Emulsified Water scalar Free Water scalar Free Water scalar Free Water scalar Free Water c St Visc @ 40°C cSt Visc @ 100°C cSt Viscosity Index (VI) Scale SAMPLE IMAGES Color Bottom GRAPHS Ferrous Alloys Non-ferrous Metals	Silt scalar Visual* Debris scalar Visual* Sand/Dirt scalar Visual* Appearance scalar Visual* Odor scalar Visual* Emulsified Water scalar Visual* Free Water scalar Visual* Free Water scalar Visual* FLUID PROPERTIES method Visc @ 40°C cSt ASTM D7279(m) Visc @ 100°C cSt ASTM D7279(m) Viscosity Index (VI) Scale ASTM D2270* SAMPLE IMAGES method Color GRAPHS Ferrous Alloys Non-ferrous Metals Viscosity @ 40°C	Silt scalar Visual* NONE Debris scalar Visual* NONE Sand/Dirt scalar Visual* NONE Appearance scalar Visual* NORML Odor scalar Visual* NORML Emulsified Water scalar Visual* NORML Emulsified Water scalar Visual* >0.1 Free Water scalar Visual* >0.1 Free Water scalar Visual* NORML Emulsified Water scalar Visual* NORML Scalar Visual* NORML Emulsified Water scalar Visual* S	Silt scalar Visual* NONE NONE Debris scalar Visual* NONE NONE Sand/Dirt scalar Visual* NONE NONE Appearance scalar Visual* NORML NORML Odor scalar Visual* NORML NORML Emulsified Water scalar Visual* NORML NORML Emulsified Water scalar Visual* NORML NORML Free Water scalar Visual* NORML NEG Free Water scalar Visual* NORML NEG Free Water scalar Visual* NEG FLUID PROPERTIES method limit/base current Visc @ 40°C cSt ASTM D7279(m) 61.8 59.8 Visc @ 100°C cSt ASTM D7279(m) 8.89 8.9 Viscosity Index (VI) Scale ASTM D2270* 119 125 SAMPLE IMAGES method limit/base current Color GRAPHS Ferrous Alloys Viscosity @ 40°C	Silt scalar Visual* NONE NONE Debris scalar Visual* NONE NONE Sand/Dirt scalar Visual* NONE NONE Appearance scalar Visual* NORML NORML Odor scalar Visual* NORML NORML Codor scalar Visual* Sol1 NEG Free Water scalar Visual* Sol1 NEG FLUID PROPERTIES method limit/base current history1 Visc @ 40°C cSt ASTM D7279(m) 61.8 59.8 Visc @ 10°C cSt ASTM D7279(m) 61.9 125 SAMPLE IMAGES method limit/base current history1 Color no image GRAPHS Ferrous Alloys Non-ferrous Metals Non-ferrous Metals