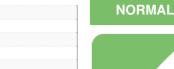


# **OIL ANALYSIS REPORT**

Sample Rating Trend





## Area **CONGEBEC MISSISSAUGA** FRICK C1 (S/N 10241H76805346)

Component Screw Compressor CIMCO TYPE A (90 GAL)

### DIAGNOSIS

#### Recommendation

Resample at the next service interval to monitor.

#### Wear

All component wear rates are normal.

#### Contamination

The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The water content is negligible. The system and fluid cleanliness is acceptable.

#### Fluid Condition

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

SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0939814		
Sample Date		Client Info		31 May 2024		
Machine Age	hrs	Client Info		47906		
Oil Age	hrs	Client Info		11760		
Oil Changed		Client Info		Changed		
Sample Status				NORMAL		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>60	<1		
Chromium	ppm	ASTM D5185(m)	>4	0		
Nickel	ppm	ASTM D5185(m)		0		
Titanium	ppm	ASTM D5185(m)		0		
Silver	ppm	ASTM D5185(m)		0		
Aluminum	ppm	ASTM D5185(m)	>5	0		
Lead	ppm	ASTM D5185(m)	>10	0		
Copper	ppm	ASTM D5185(m)		<1		
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		
	ppm					
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)		0		
Barium	ppm	ASTM D5185(m)		<1		
Molybdenum	ppm	ASTM D5185(m)		0		
Manganese	ppm	ASTM D5185(m)		0		
Magnesium	ppm	ASTM D5185(m)		0		
Calcium	ppm	ASTM D5185(m)		0		
Phosphorus	ppm	ASTM D5185(m)		0		
Zinc	ppm	ASTM D5185(m)		2		
Sulfur	ppm	ASTM D5185(m)		10		
Lithium	ppm	ASTM D5185(m)		<1		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>50	0		
Sodium	ppm	ASTM D5185(m)		0		
Potassium	ppm	ASTM D5185(m)	>20	<1		
ppm Water	ppm	ASTM D6304*	>1000	<10		
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	6590		
Particles >6µm		ASTM D7647	>2500	2016		
Particles >14µm		ASTM D7647	>320	140		
Particles >21µm		ASTM D7647		30		
Particles >38µm		ASTM D7647	>20	2		
Particles >71µm		ASTM D7647	>4	0		
Oil Cleanliness		ISO 4406 (c)	>20/18/15	20/18/14		
			0, 10, 10			



## **OIL ANALYSIS REPORT**

12000 <del>т</del>	Water (KF)	FLUID DEGRAD	ATION	method	limit/base	current	history1	history2
10000-	Severe	Acid Number (AN)	mg KOH/g	ASTM D974*	0.05	0.001		
(E 8000		VISUAL		method	limit/base	current	history1	history2
0000 Mater (ppm)		White Metal	scalar	Visual*	NONE	NONE		
4000		Yellow Metal	scalar	Visual*	NONE	NONE		
2000-	Abnormal	Precipitate	scalar	Visual*	NONE	NONE		
0-	May31/24 May31/24	Silt	scalar	Visual*	NONE	NONE		
	May. May	Debris	scalar	Visual*	NONE	NONE		
	Particle Trend	Sand/Dirt	scalar	Visual*	NONE NORML	NONE NORML		
12k		Appearance Odor	scalar scalar	Visual* Visual*	NORML	NORML		
Ē <sup>10k</sup>	αποτοποιο 6μm 14μm	Emulsified Water	scalar	Visual*	>0.1	NEG		
) salticles ek		Free Water	scalar	Visual*		NEG		
number of particles (1		FLUID PROPER	TIES	method	limit/base	current	history1	history2
۳ 2k		Visc @ 40°C	cSt	ASTM D7279(m)	58	66.9		
<sub>0k</sub> 1	1/24 1/24	SAMPLE IMAGE		method	limit/base	current	history1	history2
	May31/24 May31/24			moulou				
	Water (KF)	Color					no image	no imago
12000	Severe	000					nonnage	no image
10000-								
- 0008 Mater (ppm)								
A000		Bottom					no image	no image
2000-	Abnormal							
0		GRAPHS						
	р с м	Ferrous Alloys			491,52	Particle Count		<b>T</b> 26
		iron chromium			122,88			-24
12k <del>т</del>	Particle Trend	ق. 5- nickel			30,72			-22
≘ <sup>10k</sup>	sunomaa 4µm				7.00	Abnormal		
1]) sa(	μ14μm	May31/24			May31/24 articles (per 1 ml) 89'2.			-20 80
jtred f		May			[/ew 1.92 Way3			-18 6:19
([m []) sapipured jo nagumu		Non-ferrous Meta	ls		<b>G</b> .			-20 ISO 4406 :: 1999 Cleanlines
2 K		copper			lo 12	0-		
0k I	1/24	ā. 5-			3	0-		-12 G
	May21/24					8 -		-10
	Viscosity @ 40°C	1/24			1/24	2 -		-8
70		May31/24			May31/24	0	14μ 21μ	38µ 71µ
65 -	Abnormal	Viscosity @ 40°C			6	Acid Number	i ija	50µ 11µ
cSt (40°C)		1			0.0 KOHVO Buu 0.0	Base		
cSt (4	Base	65 + <mark>Abnormal</mark> 60 + <b>Base</b> 경			ළ 0.0 ප	4		
55 -		Abnormal			0.0 President	2		
50	Abnormal	50			Acid	124		/24
	Мау21/22	May31/24			May31/24	May31/		May31/24
<b>N</b>		: WearCheck - C8-117				L 5H9		Refrigeration
	Sample No.	: WC0939814 : 02641152	Recei Teste		Jun 2024 2 Jun 2024			Corporate Drive Burlington, ON
	Accredited Unique Number		Diagr		Jun 2024 - Bi	ll Quesnel		CA L7L 6M3
	Laboratory Test Package	: IND 2 ( Additional Tes	sts: KF, T	AN Man )				DAVID PARISE
변경	To discuss this sample report, Test denoted (*) outside scope						-	OMONT.COM (416)465-7581
	Validity of results and interpreta	ation are based on the	sample a	nd informatio	on as supplie	d.		(416)465-8815
Poport l			-			Contact/Locatio		

Contact/Location: DAVID PARISE - CIMTOR