

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL

Nachine Id NEUMAN & ESSER C-6004C (S/N 909000796) Component

Reciprocating Compressor

TOTAL FINA CARTER SP ISO 150 (22 GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil.

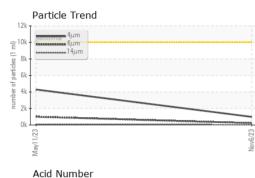
Fluid Condition

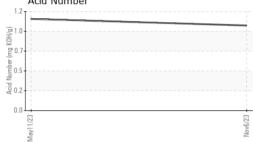
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

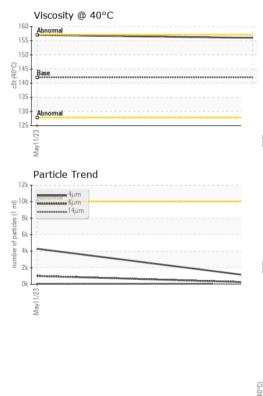
			May2023	Nov2023		
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0817277	WC0817274	
Sample Date		Client Info		06 Nov 2023	11 May 2023	
Machine Age	hrs	Client Info		4218	0	
Oil Age	hrs	Client Info		1300	534	
Oil Changed		Client Info		N/A	Changed	
Sample Status				NORMAL	NORMAL	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0	<1	
Chromium	ppm	ASTM D5185m	>10	0	0	
Nickel	ppm	ASTM D5185m		0	0	
Titanium	ppm	ASTM D5185m		0	<1	
Silver	ppm	ASTM D5185m		0	0	
Aluminum	ppm	ASTM D5185m	>25	0	3	
Lead	ppm	ASTM D5185m	>25	8	5	
Copper	ppm	ASTM D5185m	>50	0	0	
Tin	ppm	ASTM D5185m	>15	<1	<1	
Vanadium	ppm	ASTM D5185m		0	0	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		16	16	
Barium	ppm	ASTM D5185m		0	0	
Molybdenum	ppm	ASTM D5185m		0	0	
Manganese	ppm	ASTM D5185m		0	<1	
Magnesium	ppm	ASTM D5185m		0	<1	
Calcium	ppm	ASTM D5185m		12	22	
Phosphorus	ppm	ASTM D5185m		425	451	
Zinc	ppm	ASTM D5185m		6	0	
Sulfur	ppm	ASTM D5185m		6089	6691	
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	5	6	
Sodium	ppm	ASTM D5185m		<1	0	
Potassium	ppm	ASTM D5185m	>20	2	<1	
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	987	4295	
Particles >6µm		ASTM D7647	>2500	222	1001	
Particles >14µm		ASTM D7647	>320	25	82	
Particles >21µm		ASTM D7647	>80	13	21	
Particles >38µm		ASTM D7647	>20	4	1	
Particles >71µm		ASTM D7647	>4	3	1	
Oil Cleanliness		ISO 4406 (c)	>20/18/15	17/15/12	19/17/14	
FLUID DEGRADA		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		1.03	1.11	



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	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	LIGHT	NONE	
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
Nav6/23	Appearance	scalar	*Visual	NORML	NORML	NORML	
Nov	Odor	scalar	*Visual	NORML	NORML	NORML	
	Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	
	Free Water	scalar	*Visual		NEG	NEG	
	FLUID PROPERT	IES	method	limit/base	current	history1	history2
	Visc @ 40°C	cSt	ASTM D445	142	156	157	
	SAMPLE IMAGES	\$	method	limit/base	current	history1	history2
- EZIGvon	Color						no image
	Bottom						no image
	GRAPHS						
	Ferrous Alloys			101 50	Particle Count		
	10 8			491,52			T26
	chromium			122,88	0 Severe		-24
				30,72			-22
	2-			30,72	Abnormal		T ²⁴
				7,68	0		-20
	May11/23			Nov6/23 (per 1 ml)		`	-20 -18 -18 -19
	May			No No			
	Non-ferrous Metals	5		fotue 48		N	11
	10 copper 1			d jo Jag 12			
	0 account lead		and the state of the Westman Designation of the Party New York, Name and State of the Party New York, Name and	Nov6/22 Nov6/22 12			Ī
		100000			0-		-12
	2				8 -		-11
	2						
	1/23			Nov6/23	2-		-8
	May11.			Nov	0		6
	Viscosity @ 40°C				^{4μ} 6μ Acid Number	14μ 21μ	38µ 71µ
	160 Abnormal						
	150-			Hog 1.	0-		
40°C)	Base			Acid Number (mg KOH/g) 0 0.0	7		
u to					5		
	130 - Abnormal			2 0.	2		
	120			U.	0		
	/lay11//			Nov6/.	/lay11/		
Laboratory Sample No. Lab Number Unique Number Test Package	: 05999984	Received Diagnos Diagnost Piagnost	d : 06 ed : 13 tician : Ang TCOUNT)	Nov 2023 Nov 2023 gela Borella	Cor	NT NATURAL GAS 680 ntact: ANDREW cavenaugh@du	0 REV BILL F MAXTON, N US 2830 CAVENAUG
Sample No. Lab Number Unique Number Test Package	: WearCheck USA - 5 : WC0817277 F : 05999984 C : 10728344 C : IND 2 (Additional Te	Received Diagnos Diagnost Piagnost	d : 06 ed : 13 tician : Ang TCOUNT)	rry, NC 2751 Nov 2023 Nov 2023 gela Borella	3 PIEDMON	680	OREV BI MAXTO US CAVEN

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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