

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL

NEUMAN & ESSER C-6004A (S/N 909000794)

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.

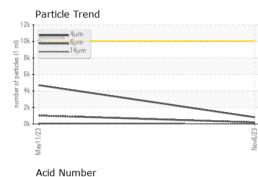
Fluid Condition

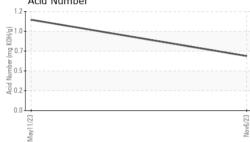
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

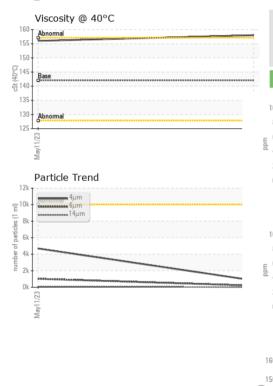
			May2023	Nov2023		
SAMPLE INFORM	ΛΑΤΙΟΝ	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0817279	WC0817275	
Sample Date		Client Info		06 Nov 2023	11 May 2023	
Machine Age	hrs	Client Info		4505	3376	
Oil Age	hrs	Client Info		1500	376	
Oil Changed		Client Info		N/A	Changed	
Sample 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	6	6	
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		14	14	
Barium	ppm	ASTM D5185m		0	0	
Molybdenum	ppm	ASTM D5185m		0	0	
Manganese	ppm	ASTM D5185m		0	<1	
Magnesium	ppm	ASTM D5185m		<1	<1	
Calcium	ppm	ASTM D5185m		20	15	
Phosphorus	ppm	ASTM D5185m		431	434	
Zinc	ppm	ASTM D5185m		6	1	
Sulfur	ppm	ASTM D5185m		6595	6600	
CONTAMINANTS	\$	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	36	10	
Sodium	ppm	ASTM D5185m		<1	0	
Potassium	ppm	ASTM D5185m	>20	3	<1	
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	816	4690	
Particles >6µm		ASTM D7647	>2500	189	1023	
Particles >14µm		ASTM D7647	>320	10	89	
Particles >21µm		ASTM D7647	>80	3	27	
Particles >38µm		ASTM D7647	>20	1	1	
Particles >71µm		ASTM D7647	>4	1	1	
Oil Cleanliness		ISO 4406 (c)	>20/18/15	17/15/10	19/17/14	
FLUID DEGRADA		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.66	1.10	



OIL ANALYSIS REPORT







	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	NONE	LIGHT	
	_ Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
	Appearance	scalar	*Visual	NORML	NORML	NORML	
:	Ouoi	scalar	*Visual	NORML	NORML	NORML	
	Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	
	Free Water	scalar	*Visual		NEG	NEG	
	FLUID PROPER	RTIES	method	limit/base	current	history1	history2
	Visc @ 40°C	cSt	ASTM D445	142	158	156	
	SAMPLE IMAGE	ES	method	limit/base	current	history1	history2
	Color						no image
	Bottom						no image
	Non-ferrous Meta	als		30,720 7,680 7,680 7,680 7,680 1,200	Abnormal	•	-2 -2 -1 -1 -1 -1 -1 -1
	Viscosity @ 40°C	2		C209000 (0,1.2 (0,1.0) Bu (0,7) (0,1.0) Bu (0,7) (0,1.0) Bu (0,7) (0,1.0) Bu (0,7) (0,1.0) Bu (0,7) (0,1.0) Bu (0,7) (0,1.0) Bu (0,1.0) Bu (0,1	م Acid Number	14μ 21μ	38µ 71µ
	430 - Abnormal			0.0- 9000 Wowp153	May11/23		
Laboratory Sample No. Lab Number Unique Number Test Packag scuss this sample report	er : 10728342 je : IND 2 (Additional t, contact Customer Ser	Received Diagnos Diagnos Tests: PR	d : 06 I ed : 13 I tician : Ang TCOUNT)	Nov 2023 Nov 2023 Jela Borella	Co		REV BILL F MAXTON, N US 2830 CAVENAUG

* - 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)

Contact/Location: ANDREW CAVENAUGH - PIEMAX

F:

T: (910)227-0302