

OIL ANALYSIS REPORT

Sample Rating Trend

DIRT

Area **RNG** Machine to **C251A Vacuum Compressor**

Component Screw Compressor Fluid COMPRESSOR OIL ISO 68 (--- GAL)

DIAGNOSIS

Recommendation

We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is a high amount of particulates present in the oil. Elemental level of silicon (Si) above normal indicating ingress of seal material.

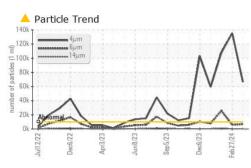
Fluid Condition

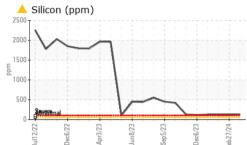
The oil viscosity is higher than normal. Confirm oil type. The AN level is acceptable for this fluid.

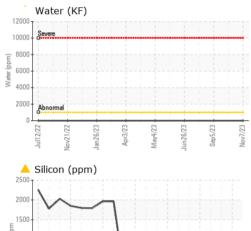
Sample NumberClient InfoWC088837Sample DateIClient Info26 Mar 202Machine AgehrsClient Info0Oil AgehrsClient InfoN/ASample StatusIImit/basecurrenWEAR METALSmethodlimit/basecurrenIronppmASTM D5185m>608ChromiumppmASTM D5185m>4<1NickelppmASTM D5185m>4<1NickelppmASTM D5185m<1<1SilverppmASTM D5185m>10<1QopperppmASTM D5185m>10<1CopperppmASTM D5185m>10<1CadmiumppmASTM D5185m>15<1ADDITIVESmethodlimit/basecurrenBoronppmASTM D5185m5<1MolybdenumppmASTM D5185m5<1MolybdenumppmASTM D5185m5<1MaganeseppmASTM D5185m511PhosphorusppmASTM D5185m512SlifonppmASTM D5185m512SlifonppmASTM D5185m52SuffurppmASTM D5185m51ContraumppmASTM D5185m51CadmiumppmASTM D5185m51ContraumppmASTM D5185m51Contraumppm <t< th=""><th>t history1</th><th>history2</th></t<>	t history1	history2
Machine AgehrsClient Info0Oil AgehrsClient InfoN/ASample StatusClient InfoN/AWEAR METALSmethodlimit/basecurrenIronppmASTM D5185m>608ChromiumppmASTM D5185m>4<1	2 WC0886376	WC0886387
Oil AgehrsClient Info0Oil ChangedClient InfoN/ASample StatusClient InfoN/AWEAR METALSmethodlimit/basecurrenIronppmASTM D5185m>608ChromiumppmASTM D5185m>608IronppmASTM D5185m<1	4 27 Feb 2024	31 Jan 2024
Oil ChangedClient InfoN/ASample Statusmethodlimit/basecurrentIronppmASTM D5185m>608ChromiumppmASTM D5185m>4<1	0	0
Sample Status method limit/base current WEAR METALS method limit/base current Iron ppm ASTM D5185m >60 8 Chromium ppm ASTM D5185m >4 <1	0	0
Sample Status method limit/base current Iron ppm ASTM D5185m >60 8 Chromium ppm ASTM D5185m >4 <1	N/A	N/A
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Chromium ppm ASTM D5185m >4 <1 Nickel ppm ASTM D5185m <1	t history1	history2
Nickel ppm ASTM D5185m <1 Titanium ppm ASTM D5185m <1	13	6
TitaniumppmASTM D5185m<1SilverppmASTM D5185m>53AluminumppmASTM D5185m>10<1	<1	<1
SilverppmASTM D5185m<1AluminumppmASTM D5185m>53LeadppmASTM D5185m>10<1	<1	<1
AluminumppmASTM D5185m>53LeadppmASTM D5185m>10<1	0	0
LeadppmASTM D5185m>10<1CopperppmASTM D5185m>302TinppmASTM D5185m>15<1	0	0
CopperppmASTM D5185m>302TinppmASTM D5185m>15<1	0	0
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CadmiumppmASTM D5185m<1ADDITIVESmethodlimit/basecurrenBoronppmASTM D5185m50BariumppmASTM D5185m5<1	0	0
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SulfurppmASTM D5185m50001234CONTAMINANTSmethodlimit/basecurrenSiliconppmASTM D5185m>50 \land 130SodiumppmASTM D5185m>50 \land 130PotassiumppmASTM D5185m>202Water%ASTM D6304>0.1NEGFLUID CLEANLINESSmethodlimit/basecurrenParticles >4µmASTM D7647>10000 \land 66489Particles >6µmASTM D7647>2500 \land 6685Particles >14µmASTM D7647>320 \land 450Particles >21µmASTM D7647>206Particles >71µmASTM D7647>41Oil CleanlinessISO 4406 (c)>20/18/15 \checkmark 23/20/16	61	62
CONTAMINANTSmethodlimit/basecurrenSiliconppmASTM D5185m>50 \checkmark 130SodiumppmASTM D5185m6PotassiumppmASTM D5185m>202Water%ASTM D6304>0.1NEGFLUID CLEANLINESSmethodlimit/basecurrenParticles >4 μ mASTM D7647>10000 \bigstar 66489Particles >6 μ mASTM D7647>2500 \bigstar 6685Particles >14 μ mASTM D7647>320 \bigstar 450Particles >21 μ mASTM D7647>206Particles >38 μ mASTM D7647>206Particles >71 μ mASTM D7647>41Oil CleanlinessISO 4406 (c)>20/18/15 \bigstar 23/20/16	0	0
Silicon ppm ASTM D5185m >50 ▲ 130 Sodium ppm ASTM D5185m 6 Potassium ppm ASTM D5185m >20 2 Water % ASTM D6304 >0.1 NEG FLUID CLEANLINESS method limit/base curren Particles >4µm ASTM D7647 >10000 ▲ 66489 Particles >6µm ASTM D7647 >2500 ▲ 66855 Particles >14µm ASTM D7647 >320 ▲ 450 Particles >21µm ASTM D7647 >20 6 Particles >38µm ASTM D7647 >20 6 Particles >71µm ASTM D7647 >4 1 Oil Cleanliness ISO 4406 (c) >20/18/15 ▲ 23/20/16	1277	876
SodiumppmASTM D5185m6PotassiumppmASTM D5185m>202Water $%$ ASTM D6304>0.1NEGFLUID CLEANLINESSmethodlimit/basecurrenParticles >4µmASTM D7647>10000 \land 66489Particles >6µmASTM D7647>2500 \land 6685Particles >14µmASTM D7647>320 \land 450Particles >21µmASTM D7647>80 \land 115Particles >38µmASTM D7647>206Particles >71µmASTM D7647>41Oil CleanlinessISO 4406 (c)>20/18/15 \checkmark 23/20/16	t history1	history2
Potassium ppm ASTM D5185m >20 2 Water % ASTM D6304 >0.1 NEG FLUID CLEANLINESS method limit/base curren Particles >4µm ASTM D7647 >10000 ▲ 66489 Particles >6µm ASTM D7647 >2500 ▲ 6685 Particles >14µm ASTM D7647 >320 ▲ 450 Particles >21µm ASTM D7647 >80 ▲ 115 Particles >38µm ASTM D7647 >20 6 Particles >71µm ASTM D7647 >4 1 Oil Cleanliness ISO 4406 (c) >20/18/15 ▲ 23/20/16	1 20	1 19
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Particles >14µm ASTM D7647 >320 ▲ 450 Particles >21µm ASTM D7647 >80 ▲ 115 Particles >38µm ASTM D7647 >20 6 Particles >71µm ASTM D7647 >4 1 Oil Cleanliness ISO 4406 (c) >20/18/15 ▲ 23/20/16	135294	▲ 107726
Particles >21μm ASTM D7647 >80 ▲ 115 Particles >38μm ASTM D7647 >20 6 Particles >71μm ASTM D7647 >4 1 Oil Cleanliness ISO 4406 (c) >20/18/15 ▲ 23/20/16	▲ 5983	<u> </u>
Particles >38μm ASTM D7647 >20 6 Particles >71μm ASTM D7647 >4 1 Oil Cleanliness ISO 4406 (c) >20/18/15 ▲ 23/20/16	129	<u> </u>
Particles >71μm ASTM D7647 >4 1 Oil Cleanliness ISO 4406 (c) >20/18/15 ▲ 23/20/16	20	A 287
Oil Cleanliness ISO 4406 (c) >20/18/15	0	14
	0	1
	▲ 24/20/14	▲ 24/22/17
FLUID DEGRADATION method limit/base curren	t history1	history2
Acid Number (AN) mg KOH/g ASTM D8045 0.51 0.78	0.99	0.83



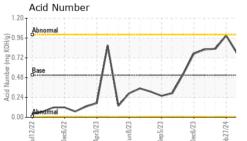
OIL ANALYSIS REPORT





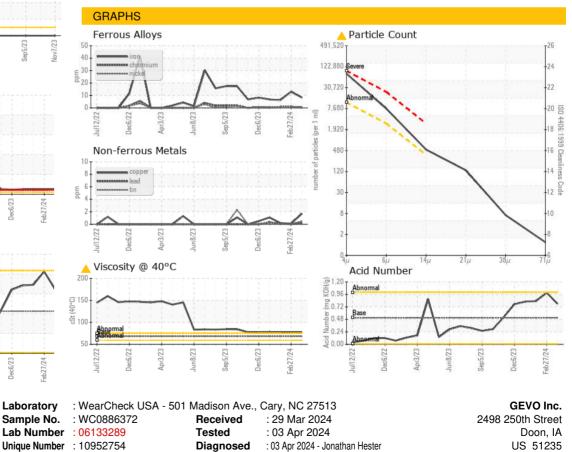


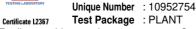




VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	LIGHT
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERT	IES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	68	A 77.2	▲ 76.7	▲ 77.1
SAMPLE IMAGES	S	method	limit/base	current	history1	history2
Color						

Bottom





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)

T: F:

Report Id: GEVDOO [WUSCAR] 06133289 (Generated: 04/05/2024 14:08:12) Rev: 1

Submitted By: KYLE HUTCHINSON

Contact: Service Manager

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