



OIL ANALYSIS REPORT

Sample Rating Trend

ADDITIVES



Area
MAGENTA NTX [200007685]
 Machine Id
15WEA91136 - E-25
 Component
Hydraulic System
 Fluid
SHELL TELLUS S4 VX 32 (--- LTR)



DIAGNOSIS

Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is a moderate amount of silt (particulates < 14 microns in size) present in the oil.

Fluid Condition

Additive levels indicate the addition of a different brand, or type of oil. The AN level is acceptable for this fluid.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		NX012264	---	---
Sample Date	Client Info		23 Feb 2024	---	---
Machine Age	hrs	Client Info	0	---	---
Oil Age	hrs	Client Info	0	---	---
Oil Changed	Client Info		N/A	---	---
Sample Status			ATTENTION	---	---

WEAR METALS

	method	limit/base	current	history1	history2
PQ	ASTM D8184		10	---	---
Iron	ppm	ASTM D5185m >20	0	---	---
Chromium	ppm	ASTM D5185m >20	0	---	---
Nickel	ppm	ASTM D5185m >20	<1	---	---
Titanium	ppm	ASTM D5185m	0	---	---
Silver	ppm	ASTM D5185m	0	---	---
Aluminum	ppm	ASTM D5185m >20	0	---	---
Lead	ppm	ASTM D5185m >20	0	---	---
Copper	ppm	ASTM D5185m >20	11	---	---
Tin	ppm	ASTM D5185m >20	0	---	---
Vanadium	ppm	ASTM D5185m	0	---	---
Cadmium	ppm	ASTM D5185m	0	---	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	---	---
Barium	ppm	ASTM D5185m	0	---	---
Molybdenum	ppm	ASTM D5185m	0	---	---
Manganese	ppm	ASTM D5185m	<1	---	---
Magnesium	ppm	ASTM D5185m	8	---	---
Calcium	ppm	ASTM D5185m	26	---	---
Phosphorus	ppm	ASTM D5185m	338	---	---
Zinc	ppm	ASTM D5185m	216	---	---
Sulfur	ppm	ASTM D5185m	6407	---	---

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >15	<1	---	---
Sodium	ppm	ASTM D5185m	<1	---	---
Potassium	ppm	ASTM D5185m >20	0	---	---
Water	%	ASTM D6304 >0.05	0.003	---	---
ppm Water	ppm	ASTM D6304 >500	35	---	---

FLUID CLEANLINESS

	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647		6399	---	---
Particles >6µm	ASTM D7647 >1300		1585	---	---
Particles >14µm	ASTM D7647 >160		107	---	---
Particles >21µm	ASTM D7647 >40		22	---	---
Particles >38µm	ASTM D7647 >10		0	---	---
Particles >71µm	ASTM D7647 >3		0	---	---
Oil Cleanliness	ISO 4406 (c) >17/14		18/14	---	---

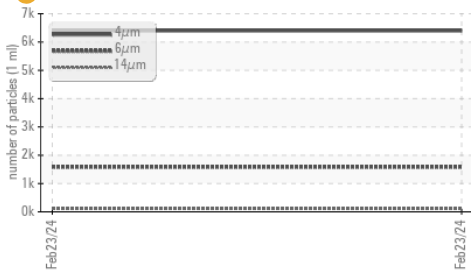
FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.36	---	---

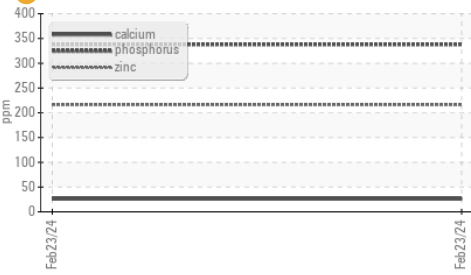


OIL ANALYSIS REPORT

Particle Trend



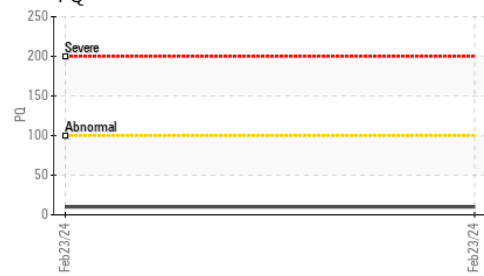
Additives



Water (KF)



PQ



Water (KF)



VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
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	>0.05	NEG	---
Free Water	scalar	*Visual		NEG	---

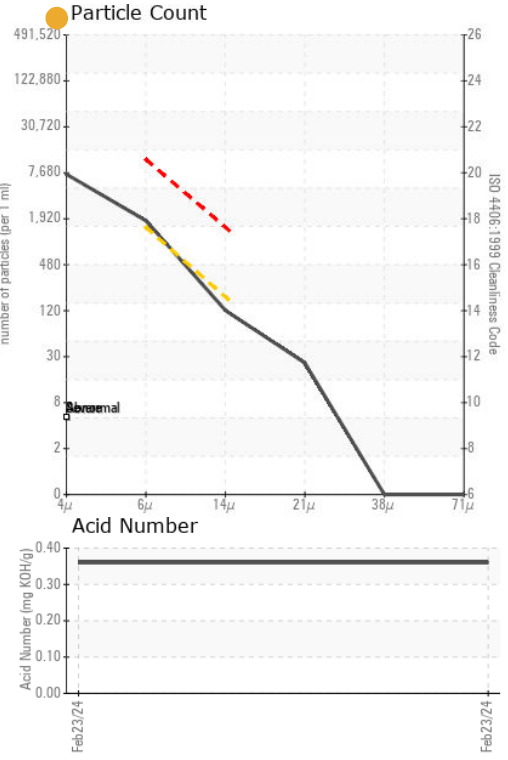
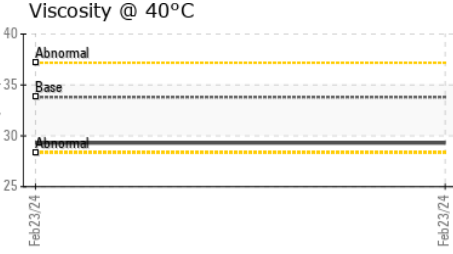
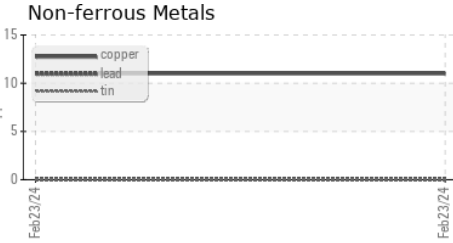
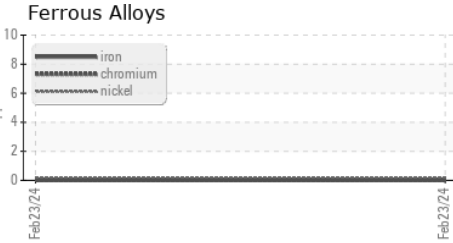
FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	33.8	29.3	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
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Color

Bottom

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
 Sample No. : NX012264 Received : 21 Mar 2024
 Lab Number : 06125651 Tested : 22 Mar 2024
 Unique Number : 10939802 Diagnosed : 25 Mar 2024 - Don Baldrige
 Test Package : IND 2 (Additional Tests: KF, PQ)

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Certificate L2367
 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)