



GREASE ANALYSIS

Sample Rating Trend



DIRT



Machine Id
C12 OIL SEPERATOR
 Component
Oil
 Fluid
USPI 1009-68 SC (--- GAL)

DIAGNOSIS

Recommendation

This is a baseline read-out on the submitted sample. Sludge sample.

Contamination

Elemental level of silicon (Si) above normal.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			USPM36773	---	---
Sample Date	Client Info			22 Apr 2024	---	---
Machine Age	hrs	Client Info		0	---	---
Oil Age	hrs	Client Info		0	---	---
Oil Changed	Client Info			N/A	---	---
Sample Status				ABNORMAL	---	---



WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	71	---	---
Chromium	ppm	ASTM D5185m	>20	<1	---	---
Nickel	ppm	ASTM D5185m	>20	<1	---	---
Cadmium	ppm	ASTM D5185m		0	---	---
Titanium	ppm	ASTM D5185m		<1	---	---
Vanadium	ppm	ASTM D5185m		0	---	---
Lead	ppm	ASTM D5185m	>20	0	---	---
Copper	ppm	ASTM D5185m	>20	<1	---	---
Tin	ppm	ASTM D5185m	>20	<1	---	---
Silver	ppm	ASTM D5185m		0	---	---

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		<1	---	---
Magnesium	ppm	ASTM D5185m		<1	---	---
Manganese	ppm	ASTM D5185m		<1	---	---
Molybdenum	ppm	ASTM D5185m		0	---	---
Phosphorus	ppm	ASTM D5185m		12	---	---
Zinc	ppm	ASTM D5185m		104	---	---

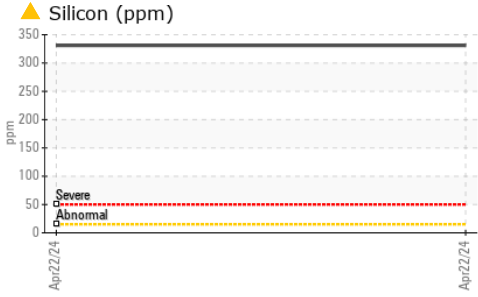
THICKENER/SOAP		method	limit/base	current	history1	history2
Aluminum	ppm	ASTM D5185m		1	---	---
Barium	ppm	ASTM D5185m		0	---	---
Calcium	ppm	ASTM D5185m		3	---	---
Sodium	ppm	ASTM D5185m		0	---	---
Lithium	ppm	ASTM D5185m		<1	---	---
Sulfur	ppm	ASTM D5185m	50	24	---	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	▲ 331	---	---
Potassium	ppm	ASTM D5185m		0	---	---
Water	%	ASTM D6304		NEG	---	---

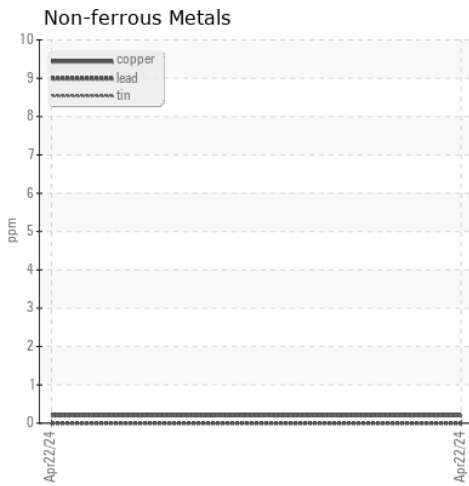
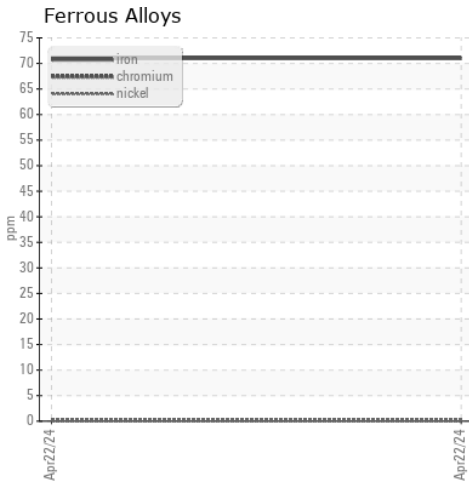
SAMPLE IMAGES		method	limit/base	current	history1	history2
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Color					no image	no image
Bottom					no image	no image

GREASE ANALYSIS



GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : USPM36773 **Received** : 22 Apr 2024
Lab Number : 06156542 **Tested** : 29 Apr 2024
Unique Number : 10991965 **Diagnosed** : 29 Apr 2024 - Doug Bogart
Test Package : IND 2

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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)