



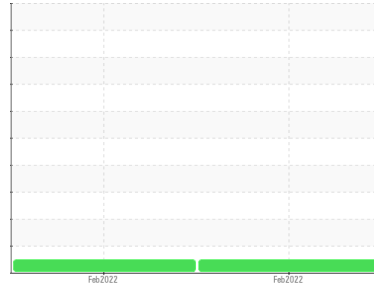
GREASE ANALYSIS

Sample Rating Trend

NORMAL



Area
DAKOTA RANGE III [200006928]
 Machine Id
05WEA87766 - A-05
 Component
Rear Grease
 Fluid
MOBIL SHC GREASE 460 WT (--- LTR)



DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.
 NOTE: one of two samples received with same ID.

Wear

All component wear rates are normal.

Grease Condition

The condition of the greases additive package is suitable for further service.

Contaminants

Insufficient sample was received to conduct all the routine laboratory tests. There is no indication of any contamination in the grease.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		NX05576100	NX05576095	---
Sample Date	Client Info		25 Feb 2022	24 Feb 2022	---
Machine Age	hrs	Client Info	5736	5736	---
Grease Age	hrs	Client Info	0	0	---
Grease Serviced		Client Info	N/A	N/A	---
Sample Status			NORMAL	NORMAL	---

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >250	320	301	---
Chromium	ppm	ASTM D5185m >10	2	2	---
Nickel	ppm	ASTM D5185m >5	0	0	---
Cadmium	ppm	ASTM D5185m	<1	<1	---
Titanium	ppm	ASTM D5185m	<1	<1	---
Vanadium	ppm	ASTM D5185m	<1	<1	---
Lead	ppm	ASTM D5185m >25	4	4	---
Copper	ppm	ASTM D5185m >75	216	195	---
Tin	ppm	ASTM D5185m >5	0	0	---
Silver	ppm	ASTM D5185m >5	2	<1	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	135	124	---
Magnesium	ppm	ASTM D5185m	0	0	---
Manganese	ppm	ASTM D5185m	7	6	---
Molybdenum	ppm	ASTM D5185m	2772	2604	---
Phosphorus	ppm	ASTM D5185m	327	285	---
Zinc	ppm	ASTM D5185m	180	167	---

THICKENER/SOAP

	method	limit/base	current	history1	history2
Aluminum	ppm	ASTM D5185m	14	13	---
Barium	ppm	ASTM D5185m	8	7	---
Calcium	ppm	ASTM D5185m	19	17	---
Sodium	ppm	ASTM D5185m	24	21	---
Lithium	ppm	ASTM D5185m	2914	2748	---
Sulfur	ppm	ASTM D5185m	4105	3782	---


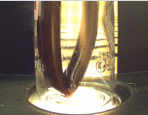
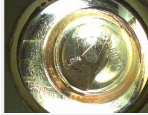

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >150	66	61	---
Potassium	ppm	ASTM D5185m	2	2	---

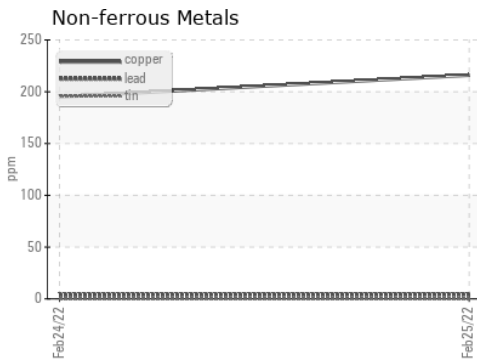
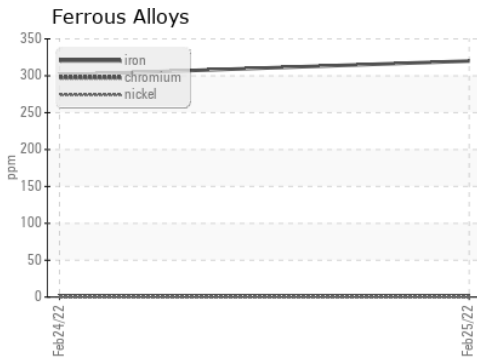
GREASE CONDITION

	method	limit/base	current	history1	history2
Grease Color	*Visual	Red	Brown	Brown	---
Texture	*In-house		Buttery	Buttery	---
NLGI Consistency	NLGI Scale *SKF Method	1.5	00	0-1	---

GREASE ANALYSIS

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

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : NX05576100 **Received** : 23 Jun 2022
Lab Number : 05576100 **Diagnosed** : 05 Jul 2022
Unique Number : 10025517 **Diagnostician** : Doug Bogart
Test Package : GRS 1 (Additional Tests: KF, KV40, SCREEN)

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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)