



OIL ANALYSIS REPORT

WEAR
CONTAMINATION
FLUID CONDITION

ABNORMAL
SEVERE
NORMAL

Area
Store 3 - Norton
Machine Id
IHI IC45 E025 (S/N CE000928)
Component
Left Final Drive
Fluid
GEAR OIL SAE 90 (--- GAL)

RECOMMENDATION

We advise that you check all areas where dirt can enter the system. We recommend an early resample to monitor this condition.

WEAR

Gear wear is indicated. All other metal levels are typical for a new component breaking in.

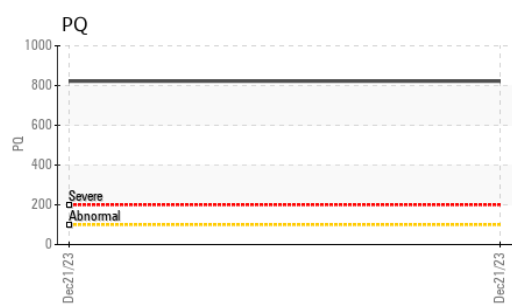
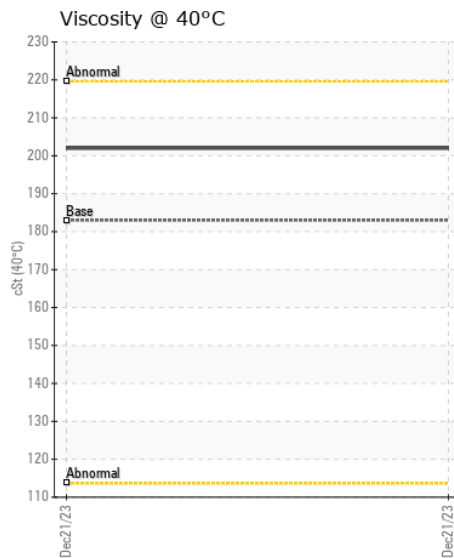
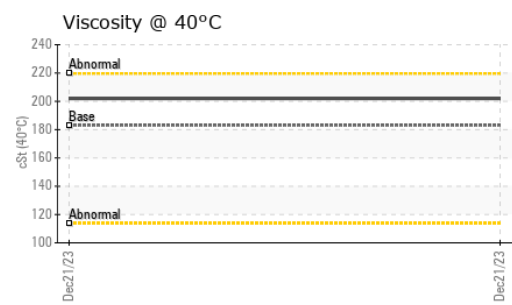
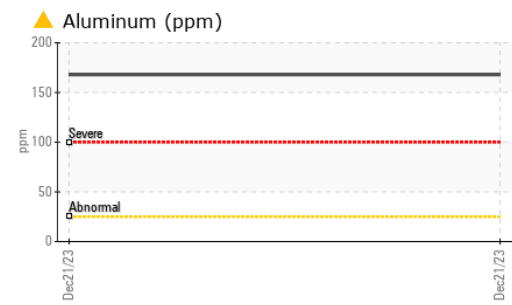
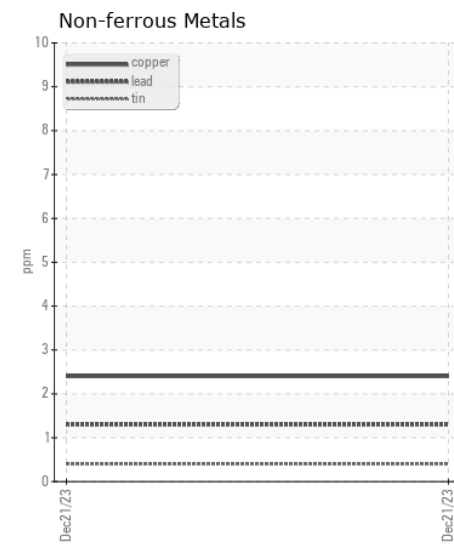
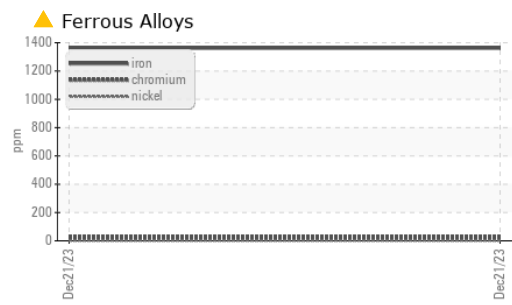
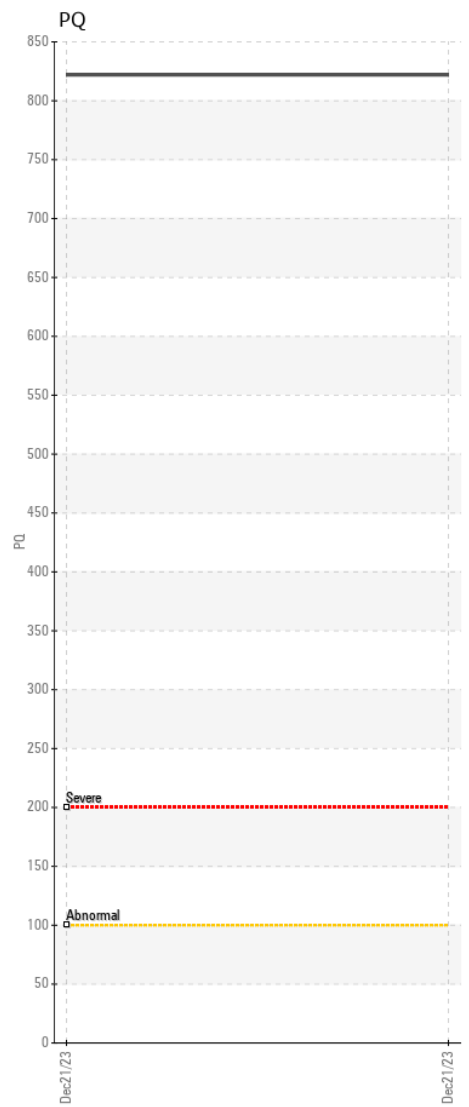
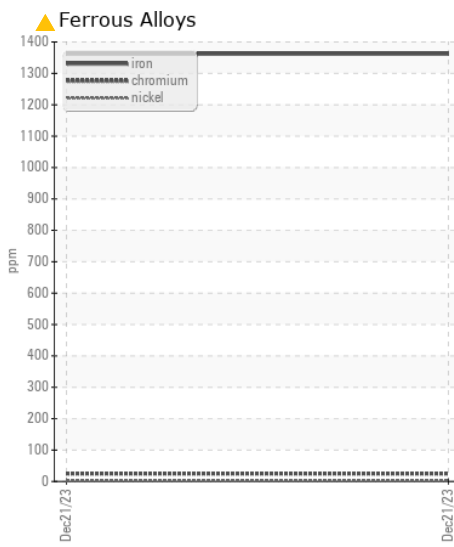
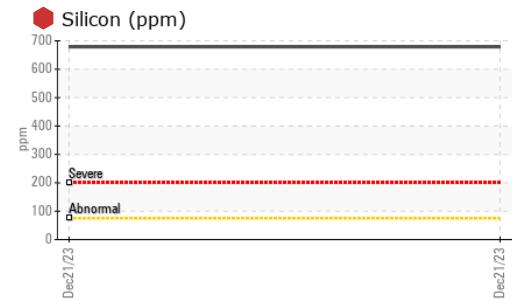
CONTAMINATION

Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

FLUID CONDITION

The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LEC0047599	---	---
Sample Date		Client Info		21 Dec 2023	---	---
Machine Age	hrs	Client Info		550	---	---
Oil Age	hrs	Client Info		550	---	---
Filter Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		Not Changd	---	---
Filter Changed		Client Info		Changed	---	---
Sample Status				SEVERE	---	---
PQ		ASTM D8184		822	---	---
Iron	ppm	ASTM D5185m	>500	▲ 1362	---	---
Chromium	ppm	ASTM D5185m	>10	▲ 25	---	---
Nickel	ppm	ASTM D5185m	>10	2	---	---
Titanium	ppm	ASTM D5185m		12	---	---
Silver	ppm	ASTM D5185m		0	---	---
Aluminum	ppm	ASTM D5185m	>25	▲ 168	---	---
Lead	ppm	ASTM D5185m	>25	1	---	---
Copper	ppm	ASTM D5185m	>50	2	---	---
Tin	ppm	ASTM D5185m	>10	<1	---	---
Vanadium	ppm	ASTM D5185m		<1	---	---
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---
Silicon	ppm	ASTM D5185m	>75	◆ 679	---	---
Potassium	ppm	ASTM D5185m	>20	628	---	---
Water		WC Method	>0.2	NEG	---	---
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	>0.2	NEG	---	---
Sodium	ppm	ASTM D5185m		14	---	---
Boron	ppm	ASTM D5185m	400	525	---	---
Barium	ppm	ASTM D5185m	200	<1	---	---
Molybdenum	ppm	ASTM D5185m	12	3	---	---
Manganese	ppm	ASTM D5185m		12	---	---
Magnesium	ppm	ASTM D5185m	12	28	---	---
Calcium	ppm	ASTM D5185m	150	1603	---	---
Phosphorus	ppm	ASTM D5185m	1650	775	---	---
Zinc	ppm	ASTM D5185m	125	739	---	---
Sulfur	ppm	ASTM D5185m	22500	9535	---	---
Visc @ 40°C	cSt	ASTM D445	183	202	---	---



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0047599 **Received** : 17 Jan 2024
Lab Number : **06063886** **Diagnosed** : 20 Jan 2024
Unique Number : 10835268 **Diagnostician** : Don Baldrige
Test Package : CONST (Additional Tests: PQ)

LANE PIPELINE
 2946 E MAIN ST
 BRIDGEPORT, WV
 US 26330
 Contact: JESSE WILBURN
 jessewilburn@gmail.com
 T: (740)440-0927
 F:

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)