



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	SEVERE
FLUID CONDITION	NORMAL

Area
TPR-Houston Port
Machine Id
452191 SENNOBOGEN 840ME 452191
Component
Left Swing Drive
Fluid
GEAR OIL SAE 80W90 (5 LTR)

RECOMMENDATION

We advise that you check for the source of water entry. We recommend an early resample to monitor this condition.

WEAR

All component wear rates are normal.

CONTAMINATION

Moderate concentration of visible dirt/debris present in the oil. There is a light concentration of water present in the oil. Excessive free water present.

FLUID CONDITION

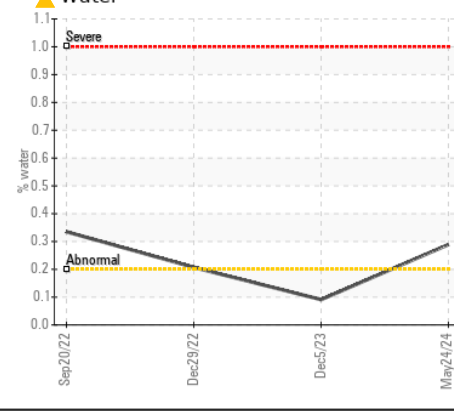
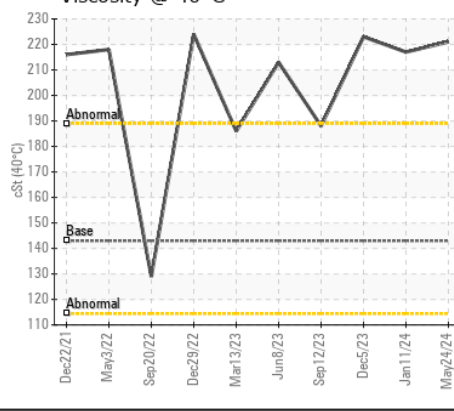
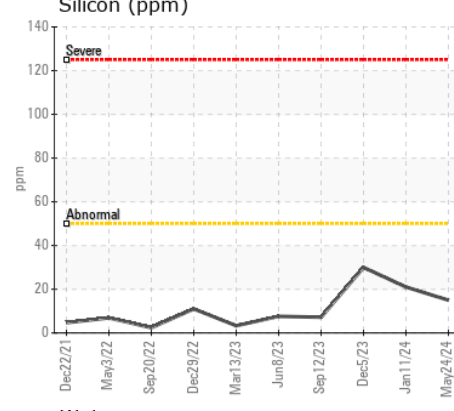
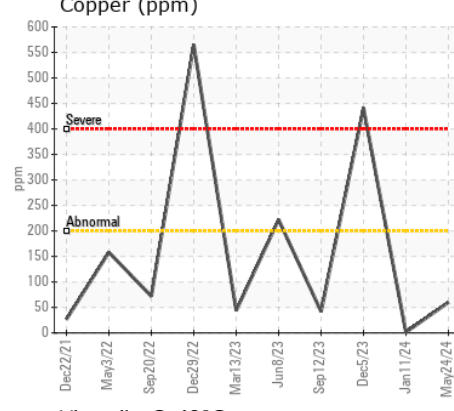
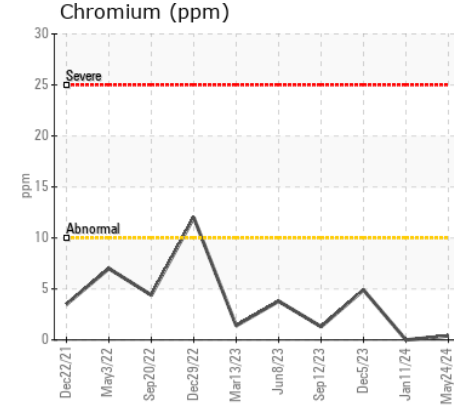
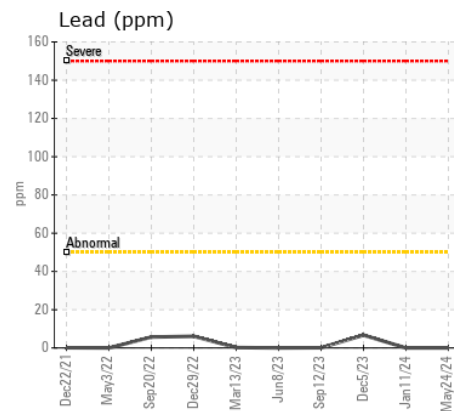
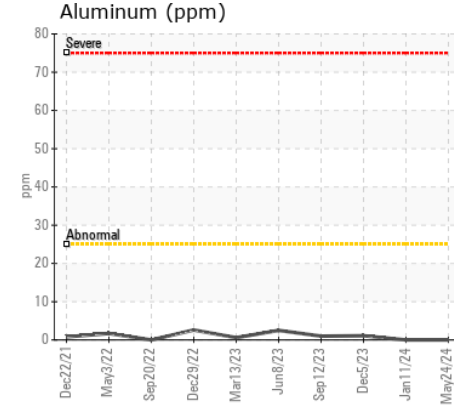
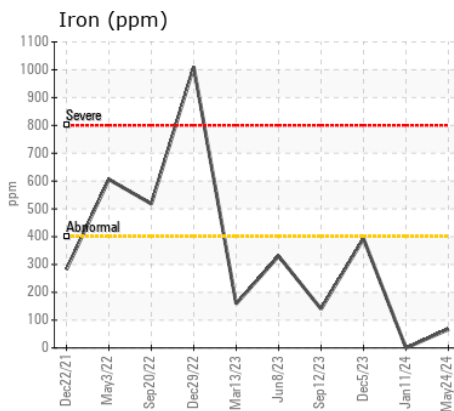
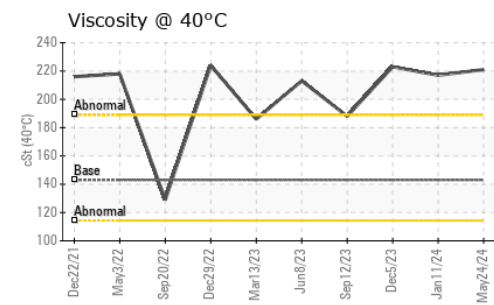
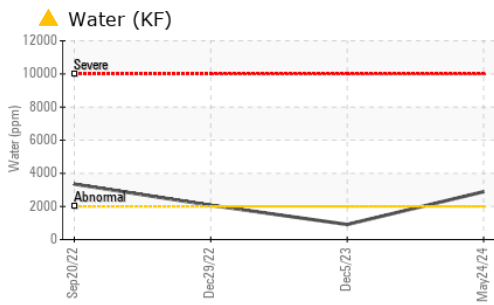
The oil is no longer serviceable due to the presence of contaminants.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		DJJ0023461	DJJ0018906	DJJ0010309
Sample Date		Client Info		24 May 2024	11 Jan 2024	05 Dec 2023
Machine Age	hrs	Client Info		11110	10693	10520
Oil Age	hrs	Client Info		11110	1234	10520
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Not Changd
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				SEVERE	NORMAL	SEVERE

Iron	ppm	ASTM D5185m	>400	67	0	393
Chromium	ppm	ASTM D5185m	>10	<1	0	5
Nickel	ppm	ASTM D5185m	>10	0	0	<1
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	0	0	1
Lead	ppm	ASTM D5185m	>50	0	0	7
Copper	ppm	ASTM D5185m	>200	60	1	▲ 441
Tin	ppm	ASTM D5185m	>10	2	0	6
Vanadium	ppm	ASTM D5185m		0	<1	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

Silicon	ppm	ASTM D5185m	>50	15	21	30
Potassium	ppm	ASTM D5185m	>20	11	<1	0
Water	%	ASTM D6304	>0.2	▲ 0.289	---	0.091
ppm Water	ppm	ASTM D6304	>2000	▲ 2890	---	910
Silt	scalar	*Visual	NONE	MODER	NONE	NONE
Debris	scalar	*Visual	NONE	▲ MODER	NONE	NONE
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	>0.2	▲ 0.2%	NEG	0.2%

Sodium	ppm	ASTM D5185m	>170	9	0	0
Boron	ppm	ASTM D5185m	400	8	0	17
Barium	ppm	ASTM D5185m	200	0	0	0
Molybdenum	ppm	ASTM D5185m	12	0	0	0
Manganese	ppm	ASTM D5185m		1	0	3
Magnesium	ppm	ASTM D5185m	12	<1	0	2
Calcium	ppm	ASTM D5185m	150	<1	0	88
Phosphorus	ppm	ASTM D5185m	1650	390	457	471
Zinc	ppm	ASTM D5185m	125	0	0	27
Sulfur	ppm	ASTM D5185m	22500	310	78	1158
Visc @ 40°C	cSt	ASTM D445	143	221	217	223



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : DJJ0023461 **Received** : 31 May 2024
Lab Number : 06197090 **Tested** : 03 Jun 2024
Unique Number : 11059213 **Diagnosed** : 04 Jun 2024 - Don Baldrige
Test Package : MOBCE (Additional Tests: KF)

TEXAS PORT RECYCLING - HOUSTON PORT
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 T:
 F: (713)921-5545

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)