CONST

PetroCard™ MORE THAN JUST FUEL.

OIL ANALYSIS REPORT

WEAR	MARGINAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Area
GM Seattle Off Raod Shop
Machine Id
[GM Seattle Off Raod Shop] 10-530
Component
Transmission
Fluid
BP AUTRAN SYN 295 (--- GAL)

RECOMMENDATION

We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor.

WEAR

The lead level is abnormal. All other component wear rates are normal.

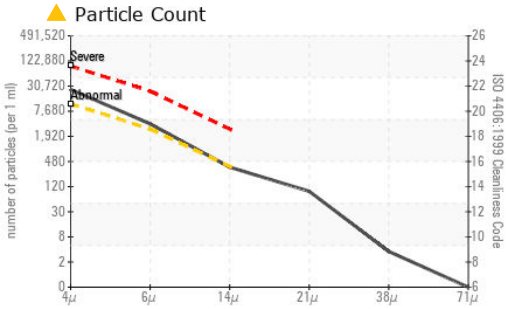
CONTAMINATION

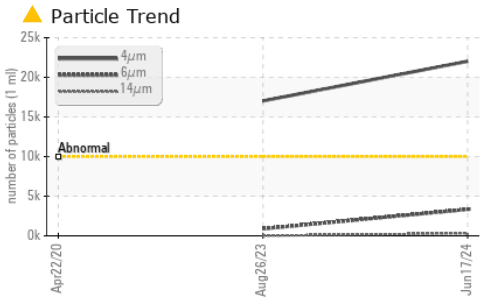
There is a high amount of silt (particulates < 14 microns in size) present in the fluid.

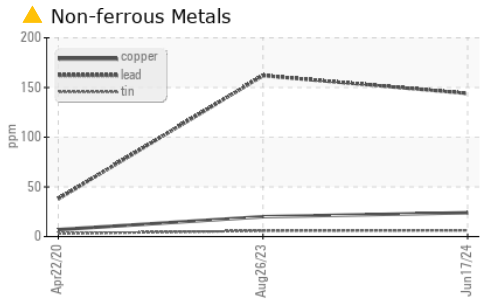
FLUID CONDITION

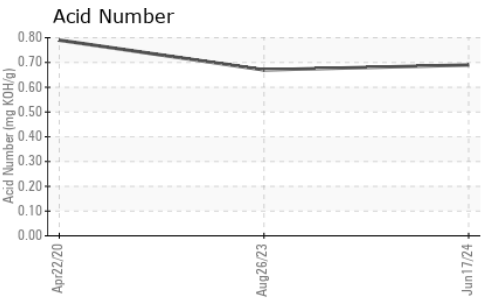
The AN level is acceptable for this fluid. The condition of the fluid is suitable for further service.

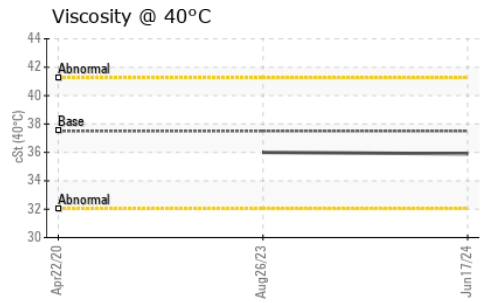
Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PE0002056	PE0002278	PE12291635
Sample Date		Client Info		17 Jun 2024	26 Aug 2023	22 Apr 2020
Machine Age	mls	Client Info		79974	5715	7307
Oil Age	mls	Client Info		79974	5715	7307
Filter Age	mls	Client Info		0	5715	---
Oil Changed		Client Info		N/A	Not Changd	Not Changd
Filter Changed		Client Info		N/A	Not Changd	---
Sample Status				ABNORMAL	ABNORMAL	NORMAL
PQ		ASTM D8184		27	23	---
Iron	ppm	ASTM D5185m	>200	86	81	36
Chromium	ppm	ASTM D5185m	>10	<1	0	0
Nickel	ppm	ASTM D5185m		8	<1	1
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	<1
Aluminum	ppm	ASTM D5185m	>50	44	40	10
Lead	ppm	ASTM D5185m	>50	▲ 144	▲ 162	38
Copper	ppm	ASTM D5185m	>200	24	20	7
Tin	ppm	ASTM D5185m	>10	6	6	3
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---
Silicon	ppm	ASTM D5185m	>50	7	5	3
Potassium	ppm	ASTM D5185m	>20	2	2	1
Water		WC Method	>0.1	NEG	NEG	NEG
Particles >4µm		ASTM D7647	>10000	▲ 22024	● 17023	---
Particles >6µm		ASTM D7647	>2500	● 3342	892	---
Particles >14µm		ASTM D7647	>320	309	10	---
Particles >21µm		ASTM D7647	>80	82	1	---
Particles >38µm		ASTM D7647	>20	3	0	---
Particles >71µm		ASTM D7647	>4	0	0	---
Oil Cleanliness		ISO 4406 (c)	>20/18/15	▲ 22/19/15	● 21/17/10	17/16/13
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	---
Sodium	ppm	ASTM D5185m		8	7	2
Boron	ppm	ASTM D5185m		8	9	37
Barium	ppm	ASTM D5185m		<1	0	1
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		1	2	---
Magnesium	ppm	ASTM D5185m		0	<1	1
Calcium	ppm	ASTM D5185m		53	43	30
Phosphorus	ppm	ASTM D5185m		186	199	214
Zinc	ppm	ASTM D5185m		47	50	47
Sulfur	ppm	ASTM D5185m		626	499	---
Acid Number (AN)	mg KOH/g	ASTM D8045		0.69	0.67	0.79
Visc @ 40°C	cSt	ASTM D445	37.5	35.9	36.0	---

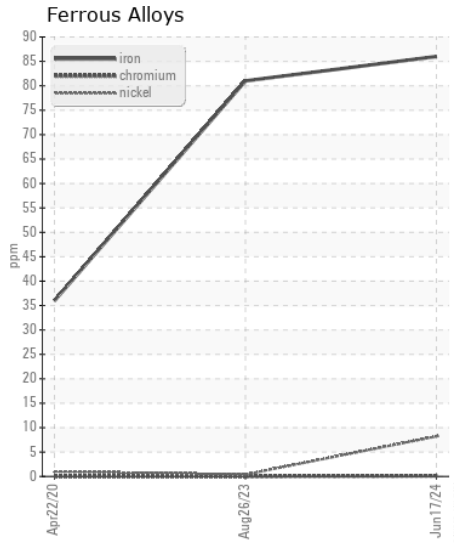


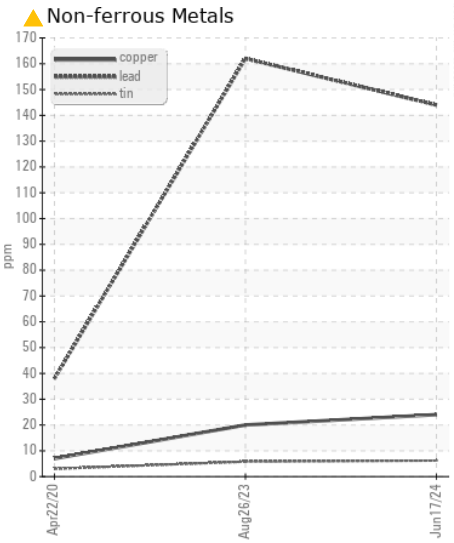


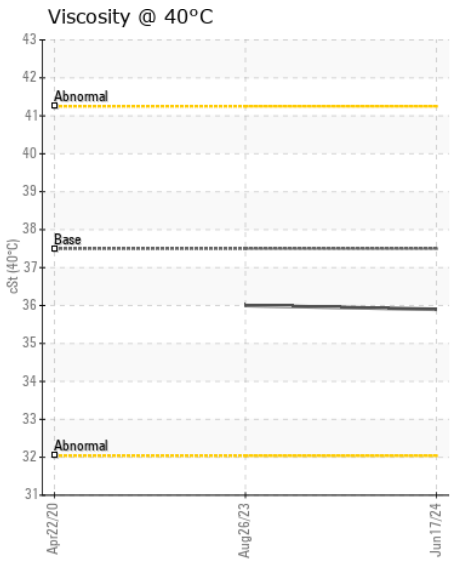


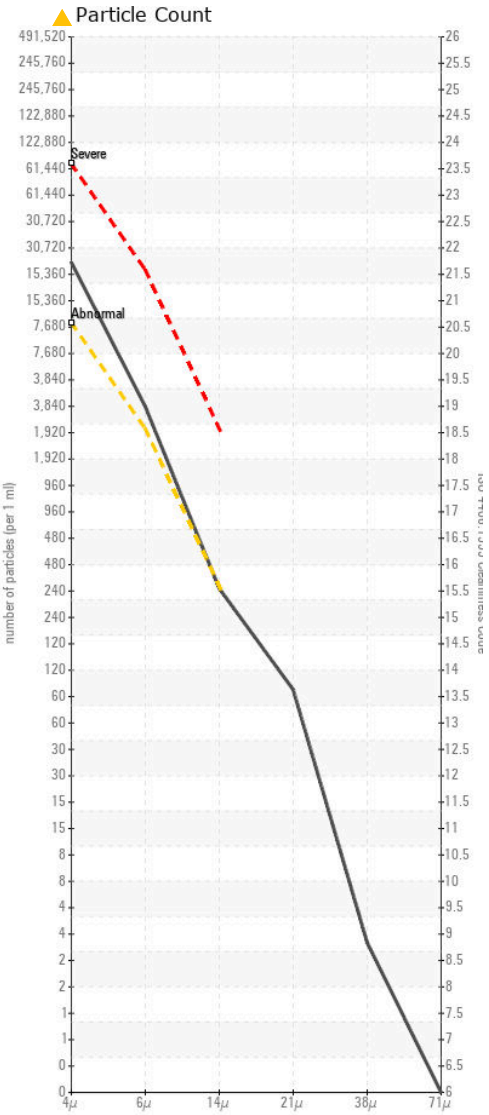


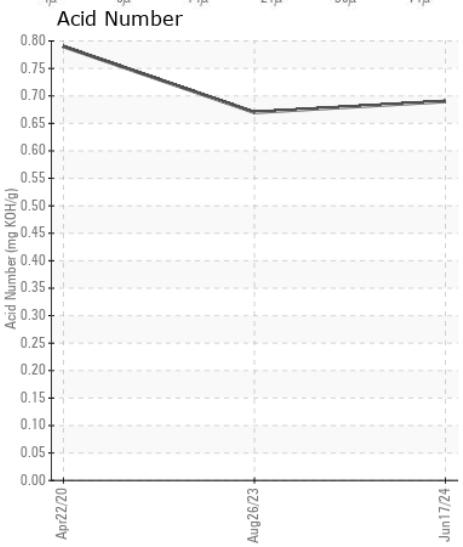












Certificate L2367

Laboratory	: WearCheck USA - 501 Madison Ave., Cary, NC 27513		
Sample No.	: PE0002056	**Received**	: 25 Jun 2024
Lab Number	: 06220342	**Tested**	: 26 Jun 2024
Unique Number	: 11098539	**Diagnosed**	: 27 Jun 2024 - Doug Bogart
Test Package	: CONST (Additional Tests: ICP, KV40, PQ, PrtCount, SCREEN)		

Gary Merlino Construction - Off Road Shop
9125 10TH AVE SOUTH
SEATTLE, WA
US 98108
Contact: Jesse Patterson
oilsamples@gmccinc.com
T: 1(866)292-1303
F:

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)