CONST

PetroCard™ MORE THAN JUST FUEL.

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ATTENTION

Area
Stoneway Concrete Renton
Machine Id
[Stoneway Concrete Renton] 10-526
Component
Hydraulic System
Fluid
CHEVRON RANDO HD 68 (--- GAL)

RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

CONTAMINATION

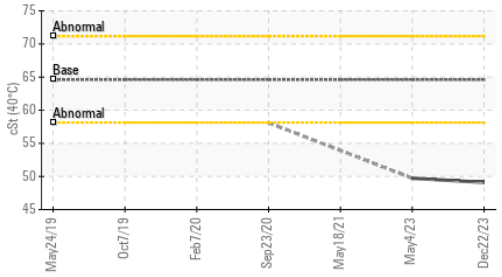
There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.

FLUID CONDITION

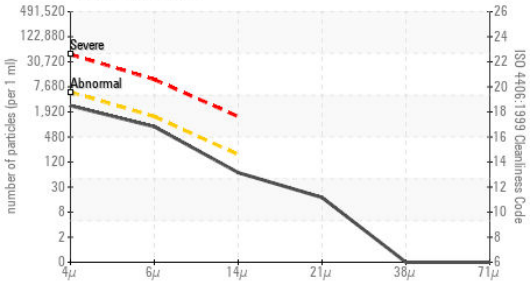
Viscosity of sample indicates oil is within ISO 46 range, advise investigate. Confirm oil type. The AN level is acceptable for this fluid.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PE0002067	PE0001307	PE12292872
Sample Date		Client Info		22 Dec 2023	04 May 2023	18 May 2021
Machine Age	hrs	Client Info		8846	7630	5125
Oil Age	hrs	Client Info		8846	7630	5125
Filter Age	hrs	Client Info		1217	1237	---
Oil Changed		Client Info		N/A	N/A	Not Changd
Filter Changed		Client Info		Changed	Changed	---
Sample Status				ATTENTION	ATTENTION	NORMAL
PQ		ASTM D8184		9	---	---
Iron	ppm	ASTM D5185m	>20	3	2	2
Chromium	ppm	ASTM D5185m	>10	<1	<1	0
Nickel	ppm	ASTM D5185m	>10	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	<1
Aluminum	ppm	ASTM D5185m	>10	2	0	0
Lead	ppm	ASTM D5185m	>10	0	0	1
Copper	ppm	ASTM D5185m	>75	10	7	13
Tin	ppm	ASTM D5185m	>10	0	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	LIGHT	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---
Silicon	ppm	ASTM D5185m	>20	1	1	1
Potassium	ppm	ASTM D5185m	>20	<1	1	1
Water		WC Method	>0.1	NEG	NEG	NEG
Particles >4µm		ASTM D7647	>5000	2369	2490	17
Particles >6µm		ASTM D7647	>1300	742	538	15
Particles >14µm		ASTM D7647	>160	59	22	11
Particles >21µm		ASTM D7647	>40	15	3	---
Particles >38µm		ASTM D7647	>10	0	0	---
Particles >71µm		ASTM D7647	>3	0	0	---
Oil Cleanliness		ISO 4406 (c)	>19/17/14	18/17/13	18/16/12	---
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		0	1	3
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	<1	0
Manganese	ppm	ASTM D5185m		0	<1	---
Magnesium	ppm	ASTM D5185m		4	4	2
Calcium	ppm	ASTM D5185m		42	40	33
Phosphorus	ppm	ASTM D5185m		384	332	355
Zinc	ppm	ASTM D5185m		418	418	462
Sulfur	ppm	ASTM D5185m		915	1024	---
Acid Number (AN)	mg KOH/g	ASTM D8045		0.32	0.33	0.45
Visc @ 40°C	cSt	ASTM D445	64.6	▲ 49.1	▲ 49.73	---

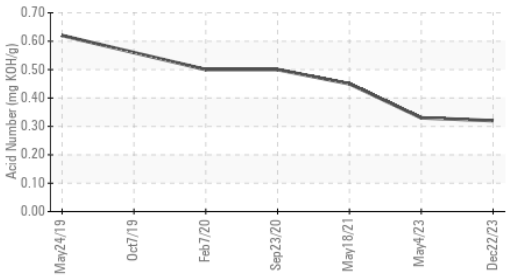
Viscosity @ 40°C



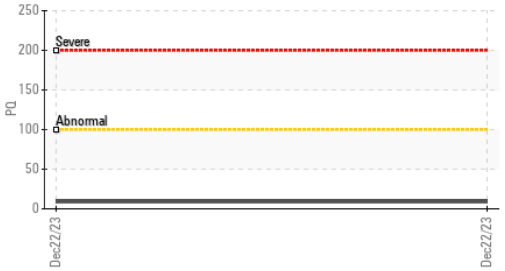
Particle Count



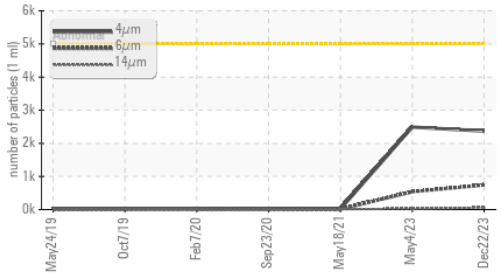
Acid Number



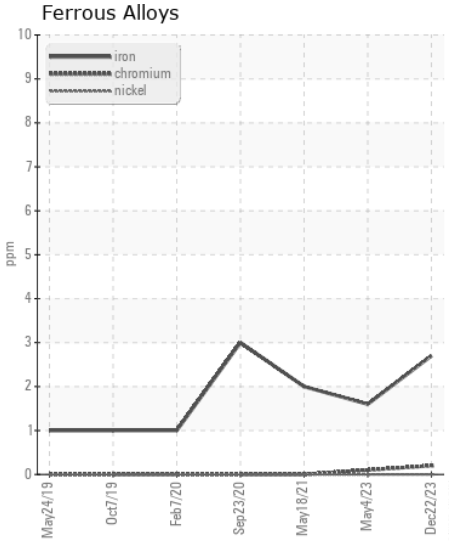
PQ



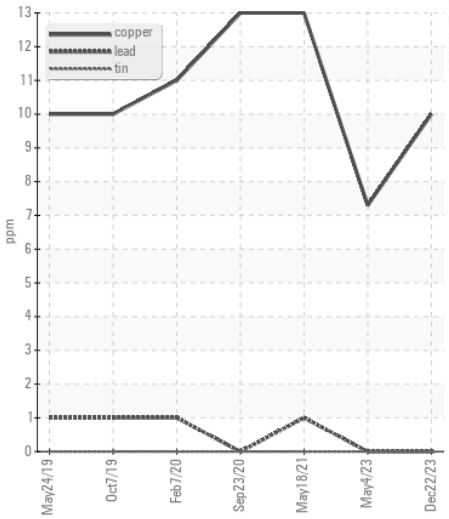
Particle Trend



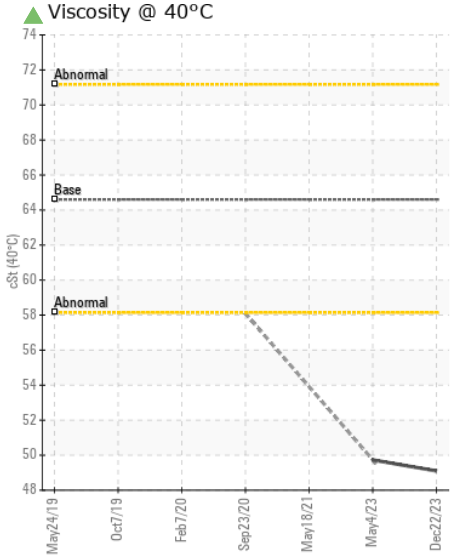
Ferrous Alloys



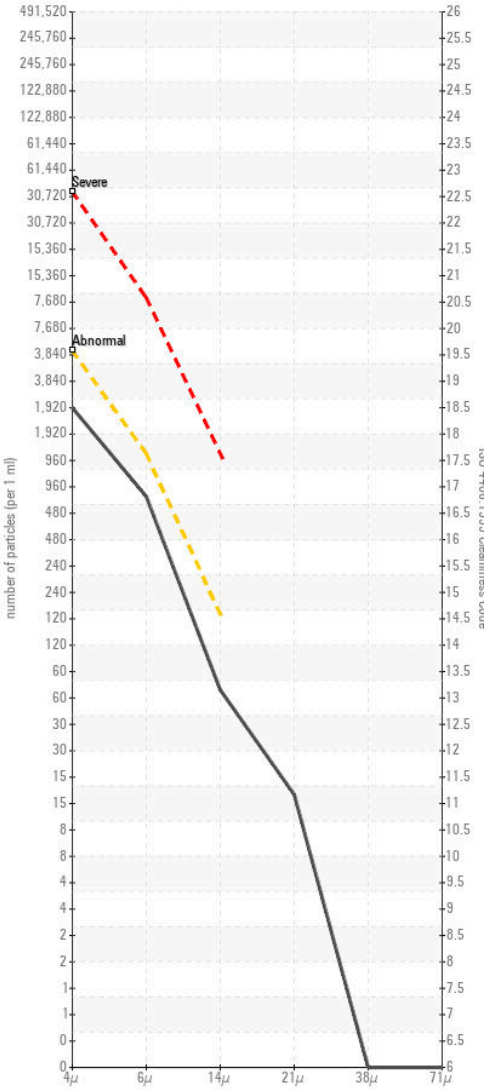
Non-ferrous Metals



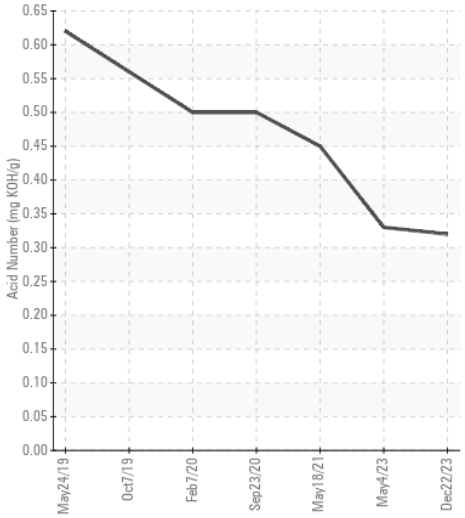
Viscosity @ 40°C



Particle Count



Acid Number



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PE0002067 **Recieved** : 12 Jan 2024
Lab Number : 06060150 **Diagnosed** : 16 Jan 2024
Unique Number : 10831532 **Diagnostician** : Don Baldridge
Test Package : CONST (Additional Tests: ICP, KV40, PQ, PrtCount, SCREEN)

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)

Gary Merlino Construction - Off Road Shop
9125 10TH AVE SOUTH
SEATTLE, WA
US 98108
Contact: Tony
oilsamples@gmccinc.com
T:
F:

Report Id: GARSEA [WUSCAR] 06060150 (Generated: 01/16/2024 14:21:59) Rev: 1

Submitted By: Stoneway Concrete - Seattle - Jesse Patterson