WEAR CONTAMINATION FLUID CONDITION

NORMAL

MARGINAL

NORMAL

Machine Id

555 UNIVERSITY AVE, TORONTO UNIT 2 SICK KIDS DD16E0010224

Rear Diesel Engine

ESSO XD-3 EXTRA SAE 30 (350 LTR)							
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
We advise that you check for the source of the coolant leak. The oil change at the time of sampling has been noted. Confirm the source of the lubricant being utilized for top-up/fill. We recommend an early resample to monitor this condition. Please contact your representative for information regarding the proper sampling kits for your service. NOTE: We recommend using MOB 3 test kits, this testkit includes Analytical Ferrography which provides a detailed morphological analysis of wear particles present in the fluid. this testkit includes BN to determine the suitability of the oil for continued use.	Sample Number		Client Info		PN0006285	PN0003922	PN000119
	Sample Date		Client Info		04 Jun 2024	24 Aug 2022	20 May 202
	Machine Age	hrs	Client Info		1126	1079	1000
	Oil Age	hrs	Client Info		27	0	26
	Filter Age	hrs	Client Info		27	0	26
	Oil Changed		Client Info		Changed	Changed	Changed
	Filter Changed		Client Info		Changed	Changed	Changed
	Sample Status				MARGINAL	MARGINAL	ABNORMA
WEAR	Iron	ppm	ASTM D5185(m)	>200	7	<1	2
Component wear rates appear to be normal (unconfirmed).	Chromium	ppm	ASTM D5185(m)		0	0	<1
	Nickel	ppm	ASTM D5185(m)		0	0	0
	Titanium	ppm	ASTM D5185(m)		0	0	<1
	Silver	ppm	ASTM D5185(m)	>2	0	0	0
	Aluminum	ppm	ASTM D5185(m)	>30	<1	2	<1
	Lead	ppm	ASTM D5185(m)		4	0	4
	Copper	ppm	ASTM D5185(m)	>30	134	0	95
	Tin	ppm	ASTM D5185(m)	>15	0	0	<1
	Vanadium	ppm	ASTM D5185(m)		0	0	0
CONTAMINATION	0:1:		40TM D5405()			,	
CONTAMINATION Test for glycol is positive. There is a light concentration of glycol present in the oil.	Silicon	ppm	ASTM D5185(m)		1	4	1
	Potassium	ppm	ASTM D5185(m)		<1	<1	1
	Fuel		WC Method		<1.0	<1.0	▲ 1.8
	Water	0/	WC Method ASTM D7922*	>0.2	NEG ▲ 0.037	NEG • 0.021	NEG
	Glycol Soot %	%	ASTM D7922*	. 2	0.037	0.021	0.06
	Nitration	Abs/cm	ASTM D7644 ASTM D7624*	>20	2.9	4.7	4.2
	Sulfation	Abs/.1mm			12.5	13.2	17.6
	Emulsified Water		Visual*	>0.2	NEG	NEG	NEG
FLUID CONDITION	Sodium	ppm	ASTM D5185(m)	>16	13	2	64
Additive levels indicate the addition of a different brand, or type of oil. The oil is no longer serviceable due to the presence of contaminants.	Boron	ppm	ASTM D5185(m)		2	67	17
	Barium	ppm	ASTM D5185(m)		0	0	<1
	Molybdenum	ppm	ASTM D5185(m)		0	74	13
	Manganese	ppm	ASTM D5185(m)		0	0	<1
	Magnesium	ppm	ASTM D5185(m)		910	33	83
	Calcium	ppm	ASTM D5185(m)		1008	2048	2234
	Phosphorus	ppm	ASTM D5185(m)	1000	1076	923	934
	Zinc	ppm	ASTM D5185(m)	1120	1238	1059	1056
	Sulfur	ppm	ASTM D5185(m)		2678	3020	2791
	Out de their	Alon / don	AOTAL DZ444	0.5		0.4	

Oxidation

Visc @ 100°C cSt

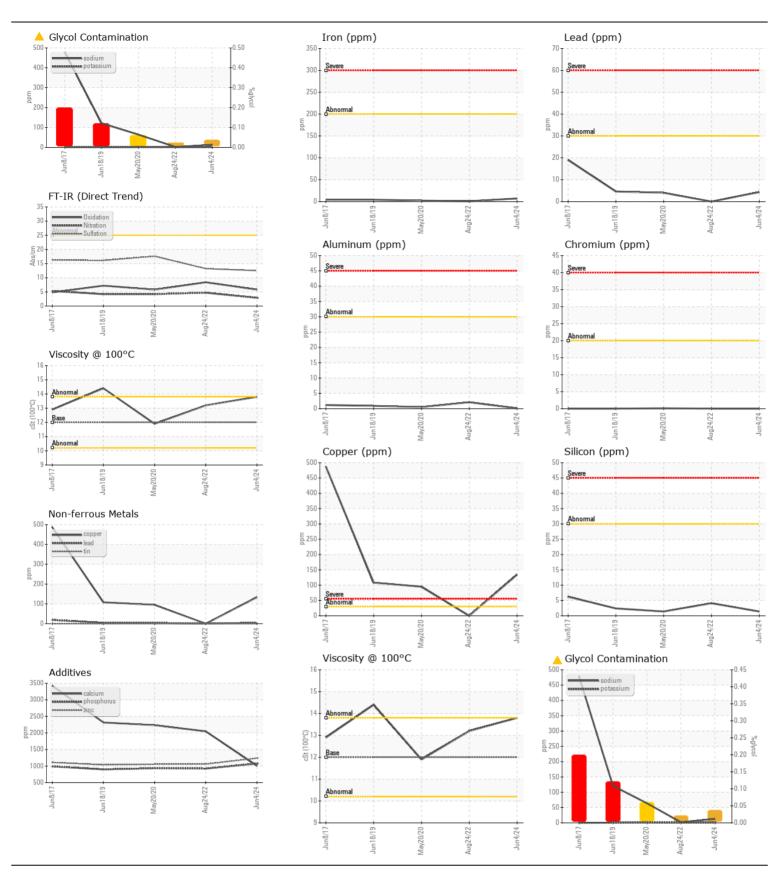
Abs/.1mm ASTM D7414* >25

ASTM D7279(m) 12.0

13.2

5.8

13.8





CALA ISO 17025:2017 Accredited Laboratory

Laboratory Sample No. Lab Number

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 : 02641025

: PN0006285 Unique Number : 5798564

Received **Tested** Diagnosed

: 11 Jun 2024 : 11 Jun 2024

: 11 Jun 2024 - Kevin Marson

Test Package : MOB 1 (Additional Tests: Glycol)

To discuss this sample report, contact Customer Service at 1-800-268-2131. Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab. Validity of results and interpretation are based on the sample and information as supplied.

POWER STATION INC.

1050 JAYSON COURT MISSISSAUGA, ON CA L4W 2V5 Contact: Brett Kinkley Bkinkley@pwrstn.com

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T: