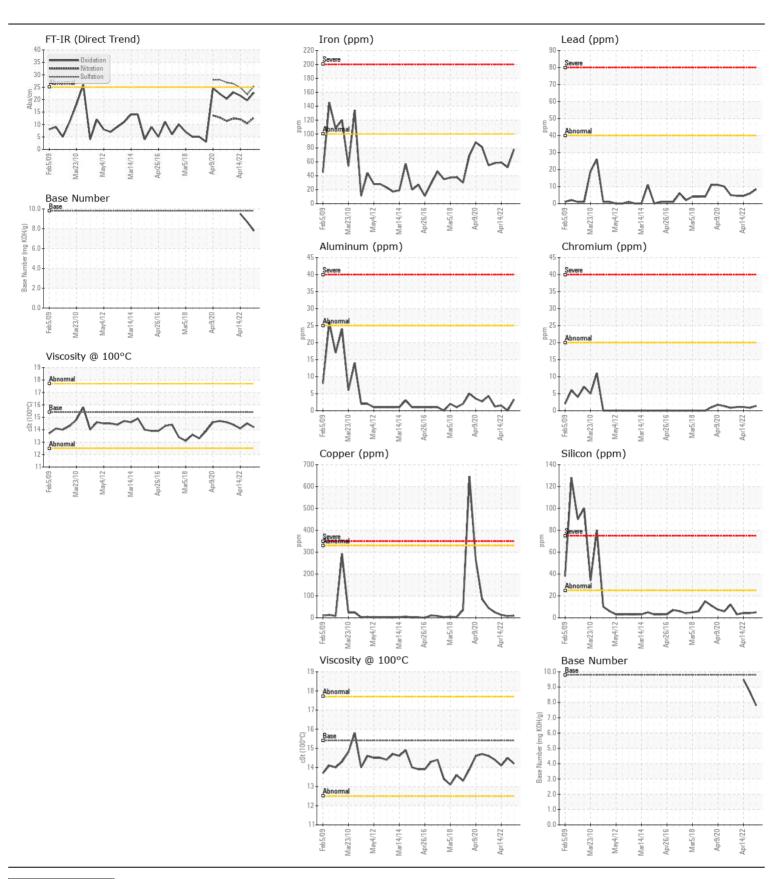
WEAR CONTAMINATION FLUID CONDITION

NORMAL NORMAL



PETRO CANADA DURON SHP	15W40 ( C	AL)					
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor. ( Customer Sample Comment: PM-3 changed filters and fluid )	Sample Number	COM	Client Info	LITTIO TOTT	PCA0126293	PCA0062055	PCA0037522
	Sample Date		Client Info		26 Jun 2024	18 Jan 2023	14 Apr 2022
	Machine Age	hrs	Client Info		3951	3426	2905
	Oil Age	hrs	Client Info		3951	3426	2905
	Filter Age	hrs	Client Info		0	0	0
	Oil Changed		Client Info		Changed	Changed	Changed
	Filter Changed		Client Info		Changed	Changed	Changed
	Sample Status				NORMAL	NORMAL	NORMAL
WEAR	Iron	ppm	ASTM D5185m	>100	78	52	59
All component wear rates are normal.	Chromium	ppm	ASTM D5185m	>20	1	<1	1
	Nickel	ppm	ASTM D5185m	>2	3	2	2
	Titanium	ppm	ASTM D5185m	>2	<1	0	0
	Silver	ppm	ASTM D5185m	>2	<1	0	0
	Aluminum	ppm	ASTM D5185m	>25	3	0	2
	Lead	ppm	ASTM D5185m	>40	8	6	4
	Copper	ppm	ASTM D5185m	>330	9	7	13
	Tin	ppm	ASTM D5185m	>15	2	1	2
	Vanadium	ppm	ASTM D5185m		<1	0	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m	>25	5	4	4
There is no bodies the of any analysis that is the other th	Potassium	ppm	ASTM D5185m	>20	2	1	<1
There is no indication of any contamination in the oil.	Fuel		WC Method	>5	<1.0	<1.0	<1.0
	Water		WC Method	>0.2	NEG	NEG	NEG
	Glycol		WC Method		NEG	NEG	NEG
	Soot %	%	*ASTM D7844	>3	2.3	1.2	1.5
	Nitration	Abs/cm	*ASTM D7624	>20	12.8	10.4	12.1
	Sulfation	Abs/.1mm	*ASTM D7415	>30	25.4	22.1	24.9
	Silt	scalar	*Visual	NONE	NONE	NONE	NONE
	Debris	scalar	*Visual	NONE	NONE	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	NEG	NEG	NEG
FLUID CONDITION	Sodium	ppm	ASTM D5185m		1	2	2
The BN result indicates that there is suitable alkalinity remaining in the	Boron	ppm	ASTM D5185m		1	0	3
oil. The condition of the oil is suitable for further service.	Barium	ppm	ASTM D5185m		<1	0	0
	Molybdenum	ppm	ASTM D5185m		72	66	67
	Manganese	ppm	ASTM D5185m		<1	<1	<1
	Magnesium	ppm	ASTM D5185m		927	907	1011
	Calcium	ppm	ASTM D5185m		1097	1082	1219
	Phosphorus	ppm	ASTM D5185m		966	1023	1164
	Zinc	ppm	ASTM D5185m		1212	1240	1451
	Sulfur	ppm	ASTM D5185m		2637	2846	3022
	Oxidation	Abs/.1mm	*ASTM D7414		22.8	19.7	21.6
	Base Number (BN)				7.8	8.7	9.5
	Visc @ 100°C	cSt	ASTM D445	15.4	14.2	14.5	14.1





Certificate L2367

Laboratory Sample No.

: PCA0126293

Lab Number : 06225781 Unique Number : 11109274

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received

: 02 Jul 2024 **Tested** : 03 Jul 2024 Diagnosed

: 03 Jul 2024 - Don Baldridge

Kemp Quarries - Kemp Stone - Neosho 19148 Ingersol Lane

Neosho, MO US 64850

Contact: NEOSHO NOTIFICATIONS neosho@kempstone.com

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.

Test Package : MOB 1 ( Additional Tests: TBN )

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

T: F: