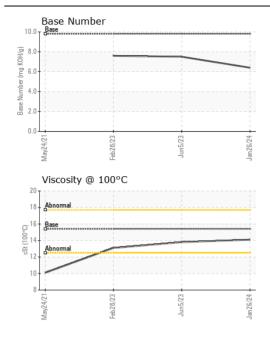
WEAR CONTAMINATION **FLUID CONDITION**

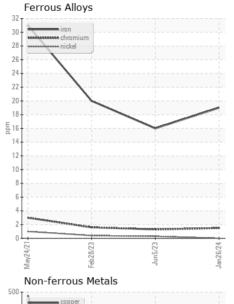
NORMAL NORMAL NORMAL

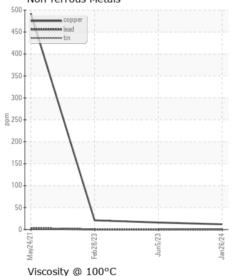
Area
BARTO
Machine Id
7074 [BARTO]
Component
Diesel Engine
Fluid

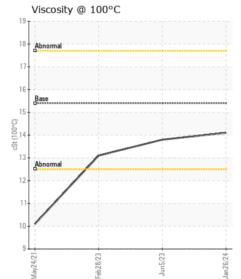
PETRO CANADA DURON SHP 15W40 (--- GAL)

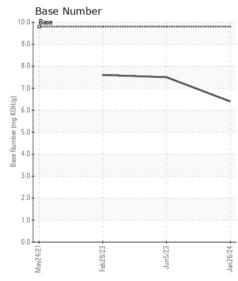
Sample Date Machine Age	PETRO CANADA DURON SHP 15W40 (GAL))						
Resample at the next service interval to monitor. Sample Number Sample 10 tent Info 286870 Sample 20 Sample 20	RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Machine Age mils Client Info 286870 24509 207390 207		Sample Number		Client Info			SBP0004407	SBP0003904
Machine Age mis Clent Info 285870 245009 2073900 207390 207390 207390 207390 207390 207390 207	Resample at the next service interval to monitor.	Sample Date		Client Info		26 Jan 2024	05 Jun 2023	28 Feb 2023
Filter Age		Machine Age	mls	Client Info		286870		207390
Oil Changed Chent Info Changed Changed		Oil Age	mls	Client Info		41861	37619	36102
Oil Changed Chent Info Changed Changed			mls	Client Info		41861	37619	36102
Filter Changed Changed		Oil Changed		Client Info				
Normal N		_		Client Info				Changed
Metal levels are typical for a new component breaking in. Nickel pym ASTM 05155m >2 0 <1 <1 <1 <1 <1 <1 <1								NORMAL
Metal levels are typical for a new component breaking in. Nickel pym ASTM 05155m >2 0 <1 <1 <1 <1 <1 <1 <1	WEAR	Iron	nnm	ASTM D5185m	>80	19	16	20
Micke	WEAT							
Titanium ppm ASTM 05185m <1 0 0 <1	Metal levels are typical for a new component breaking in.							
Silver ppm ASTM D5185m >30 0 0 <1					/L			
Aluminum ppm ASTM D5185m >30 8 6 8 8 6 6 8 8 6 6					~3			
Lead ppm ASTM D5185m 3-0 0 0 0 0 Copper ppm ASTM D5185m 3-150 12 16 21 17 17 17 18 19 19 19 19 19 19 19								
Copper								
Tin								
Vanadium ppm ASTM D5185m < 1 0 0 0 NONE								
White Metal Yellow Metal Scalar *Visual NONE NON					>5			
Silicon Silicon Ppm ASTM DS185m S20 4 4 7					NONE			
Silicon ppm ASTM D5185m >20 4 4 7								
Potassium ppm ASTM D5185m 20 6 7 9	<u> </u>	reliow ivietal	Scalar	visuai	NONE	NONE	NONE	INOINE
Potassium ppm ASTM D5185m 20 6 7 9	CONTAMINATION	Silicon	ppm	ASTM D5185m	>20	4	4	7
Fixed WC Method S5 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.		Potassium	ppm	ASTM D5185m	>20	6	7	9
Fuel WC Method >5	There is no indication of any contamination in the oil.	Chlorine	ppm	ASTM D5185m				
Glycol WC Method NEG NEG NEG NEG Soot % % 'ASTM D7844 >3 0.7 0.5 0.5 0.5		Fuel		WC Method	>5	<1.0	<1.0	<1.0
Soot % % "ASTM D7844 >3		Water		WC Method	>0.2	NEG	NEG	NEG
Soot % % "ASTM D7844 >3		Glycol		WC Method		NEG	NEG	NEG
Nitration		Soot %	%	*ASTM D7844	>3	0.7	0.5	0.5
Silt scalar *Visual NONE NORE NO		Nitration	Abs/cm	*ASTM D7624	>20	9.1	8.6	8.4
Silt scalar *Visual NONE NORE NO		Sulfation	Abs/.1mm			21.7		
Debris Scalar *Visual NONE NORML			scalar	*Visual	NONE		NONE	NONE
Appearance Odor scalar *Visual NORML NORML			scalar		NONE			NONE
Appearance Odor scalar *Visual NORML NORML		Sand/Dirt		*Visual	NONE		NONE	NONE
Odor		Appearance				NORML		NORML
Emulsified Water scalar *Visual >0.2 NEG NEG NEG NEG NEG				*Visual		NORML	NORML	NORML
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service. Boron								
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service. Boron	ELUID CONDITION	Sodium	nnm	ASTM D5185m		3	<1	3
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service. Barium ppm ASTM D5185m 0 0 0 0 0 Molybdenum ppm ASTM D5185m 60 62 59 50 Manganese ppm ASTM D5185m 0 <1 <1 <1 Magnesium ppm ASTM D5185m 1010 1001 844 544 Calcium ppm ASTM D5185m 1070 1129 1241 1931 Phosphorus ppm ASTM D5185m 1150 1018 961 941 Zinc ppm ASTM D5185m 1270 1310 1238 1174 Sulfur ppm ASTM D5185m 2060 2587 2825 3315 Oxidation Abs/.1mm *ASTM D7414 >25 18.5 16.9 15.7 Base Number (BN) mg KOH/g ASTM D2896 9.8 6.4 7.5 7.6	LOID CONDITION				0			
Molybdenum ppm ASTM D5185m 60 62 59 50	The BN result indicates that there is suitable alkalinity remaining in the							
Manganese ppm ASTM D5185m 0 <1 <1 <1 Magnesium ppm ASTM D5185m 1010 1001 844 544 Calcium ppm ASTM D5185m 1070 1129 1241 1931 Phosphorus ppm ASTM D5185m 1150 1018 961 941 Zinc ppm ASTM D5185m 1270 1310 1238 1174 Sulfur ppm ASTM D5185m 2060 2587 2825 3315 Oxidation Abs/.1mm *ASTM D7414 >25 18.5 16.9 15.7 Base Number (BN) mg KOH/g ASTM D2896 9.8 6.4 7.5 7.6	oil. The condition of the oil is suitable for further service.							
Magnesium ppm ASTM D5185m 1010 1001 844 544 Calcium ppm ASTM D5185m 1070 1129 1241 1931 Phosphorus ppm ASTM D5185m 1150 1018 961 941 Zinc ppm ASTM D5185m 1270 1310 1238 1174 Sulfur ppm ASTM D5185m 2060 2587 2825 3315 Oxidation Abs/.1mm *ASTM D7414 >25 18.5 16.9 15.7 Base Number (BN) mg KOH/g ASTM D2896 9.8 6.4 7.5 7.6		-						
Calcium ppm ASTM D5185m 1070 1129 1241 1931 Phosphorus ppm ASTM D5185m 1150 1018 961 941 Zinc ppm ASTM D5185m 1270 1310 1238 1174 Sulfur ppm ASTM D5185m 2060 2587 2825 3315 Oxidation Abs/.1mm *ASTM D7414 >25 18.5 16.9 15.7 Base Number (BN) mg KOH/g ASTM D2896 9.8 6.4 7.5 7.6								
Phosphorus ppm ASTM D5185m 1150 1018 961 941 Zinc ppm ASTM D5185m 1270 1310 1238 1174 Sulfur ppm ASTM D5185m 2060 2587 2825 3315 Oxidation Abs/.1mm *ASTM D7414 >25 18.5 16.9 15.7 Base Number (BN) mg KOH/g ASTM D2896 9.8 6.4 7.5 7.6		•						
Zinc ppm ASTM D5185m 1270 1310 1238 1174 Sulfur ppm ASTM D5185m 2060 2587 2825 3315 Oxidation Abs/.1mm *ASTM D7414 >25 18.5 16.9 15.7 Base Number (BN) mg KOH/g ASTM D2896 9.8 6.4 7.5 7.6								
Sulfur ppm ASTM D5185m 2060 2587 2825 3315 Oxidation Abs/.1mm *ASTM D7414 >25 18.5 16.9 15.7 Base Number (BN) mg KOH/g ASTM D2896 9.8 6.4 7.5 7.6		•						
Oxidation Abs/.1mm *ASTM D7414 >25 18.5 16.9 15.7 Base Number (BN) mg KOH/g ASTM D2896 9.8 6.4 7.5 7.6								
Base Number (BN) mg KOH/g ASTM D2896 9.8 6.4 7.5 7.6								
VISC @ 100°C CSt ASIM D445 15.4 14.1 13.8 13.1		, ,	0 0					
		visc @ 100°C	160	ASTIVI D445	15.4	14.1	13.8	13.1













Certificate L2367

Laboratory Sample No.

Lab Number : 06084171

: SBP0005061 Unique Number : 10871616 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 08 Feb 2024 : 09 Feb 2024 **Tested** Diagnosed

: 09 Feb 2024 - Wes Davis

SCHMIDT TRANSPORTATION - BARTO

108 E Bay Road Plattsmouth, NE US 68048 Contact: Service Manager

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)

T:

F: