

Machine Id  
**FORD 35-2025**  
Component  
**Front Diesel Engine**  
Fluid  
**PETRO CANADA DURON UHP 5W40 (14 LTR)**

### RECOMMENDATION

Nous vous recommandons de vidanger l'huile de ce composant si vous ne l'avez pas déjà fait. Confirm the source of the lubricant being utilized for top-up/fill. Nous vous recommandons d'échantillonner de nouveau dès que possible afin de contrôler la situation.

### WEAR

Usure de cylindre, de vilebrequin ou d'arbre à cames. Usure de piston.

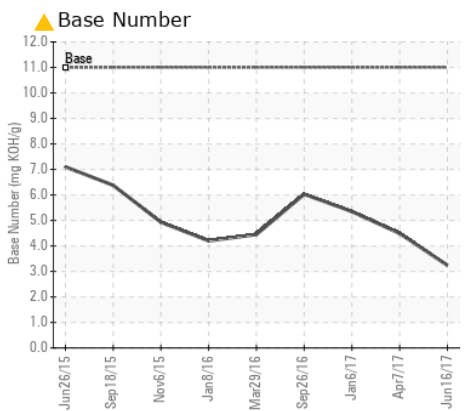
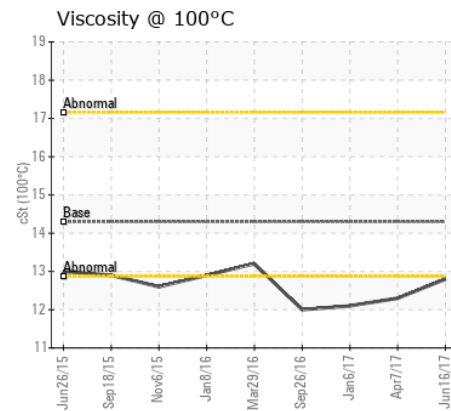
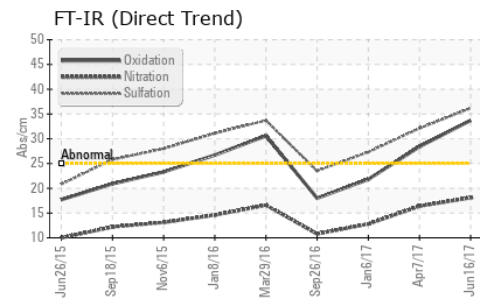
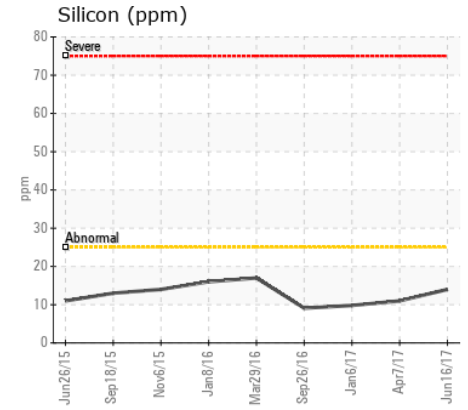
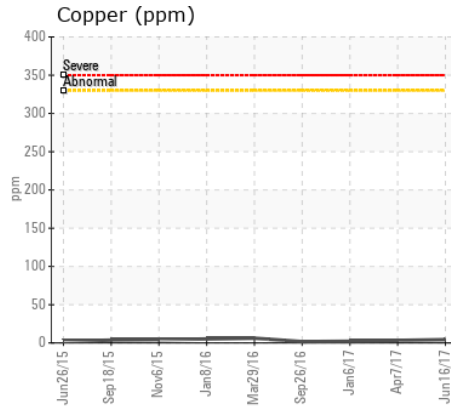
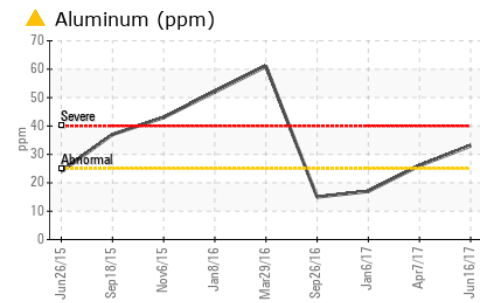
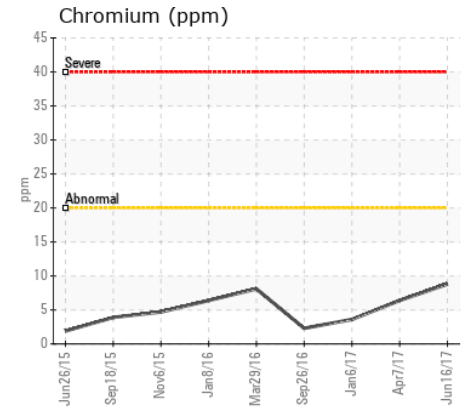
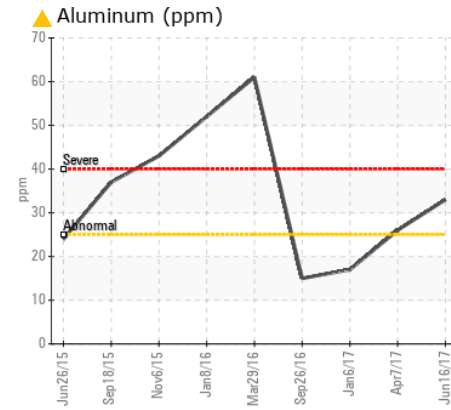
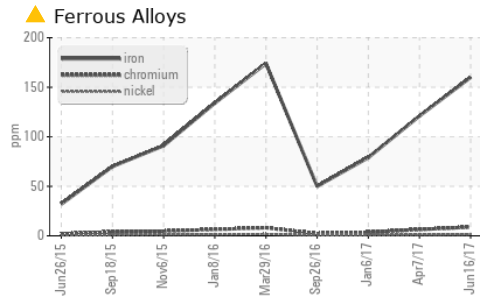
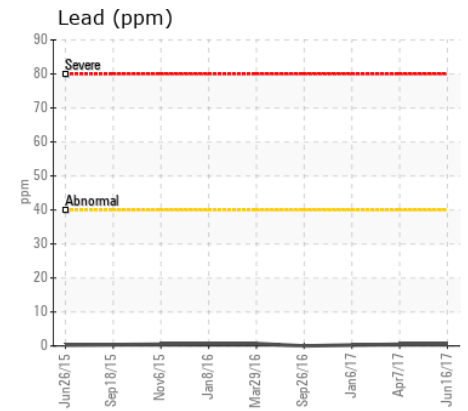
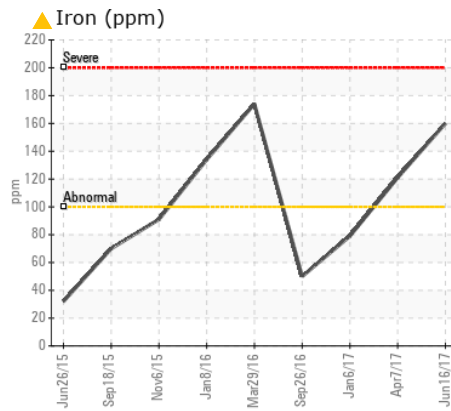
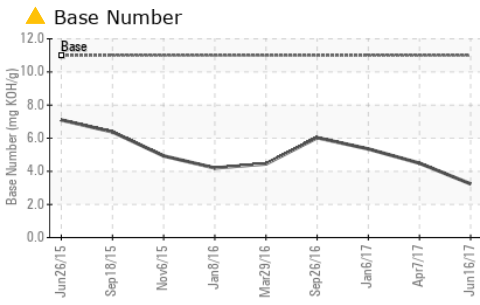
### CONTAMINATION

Il n'y a aucun indice de contamination dans le composant.

### FLUID CONDITION

Les niveaux d'additifs indiquent l'ajout d'une autre marque ou d'un autre type d'huile. Le niveau de BN est inférieur à la normale. l'huile n'est plus en état de service en raison d'une usure anormale et/ou sévère.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>PC393165</b>	PC393175	PC380548
Sample Date		Client Info		<b>16 Jun 2017</b>	07 Apr 2017	06 Jan 2017
Machine Age	kms	Client Info		<b>120291</b>	115162	107578
Oil Age	kms	Client Info		<b>25595</b>	20466	94696
Filter Age	kms	Client Info		<b>25595</b>	20466	94696
Oil Changed		Client Info		<b>Not Changd</b>	Not Changd	Not Changd
Filter Changed		Client Info		<b>Not Changd</b>	Not Changd	Not Changd
Sample Status				<b>ABNORMAL</b>	NORMAL	NORMAL
PQ		ASTM D8184*		<b>15</b>	---	---
Iron	ppm	ASTM D5185(m)	>100	<b>▲ 160</b>	121	79
Chromium	ppm	ASTM D5185(m)	>20	<b>9</b>	6	4
Nickel	ppm	ASTM D5185(m)	>2	<b>1</b>	1	<1
Titanium	ppm	ASTM D5185(m)	>2	<b>0</b>	0	0
Silver	ppm	ASTM D5185(m)	>2	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185(m)	>25	<b>▲ 33</b>	26	17
Lead	ppm	ASTM D5185(m)	>40	<b>&lt;1</b>	<1	<1
Copper	ppm	ASTM D5185(m)	>330	<b>4</b>	3	2
Tin	ppm	ASTM D5185(m)	>15	<b>0</b>	<1	<1
Vanadium	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	0
Silicon	ppm	ASTM D5185(m)	>25	<b>14</b>	11	10
Potassium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	1	1
Fuel		WC Method	>5	<b>&lt;1.0</b>	1.5	<1.0
Water		WC Method	>0.2	<b>NEG</b>	NEG	NEG
Glycol		WC Method		<b>NEG</b>	NEG	NEG
Soot %	%	ASTM D7844*	>3	<b>0.8</b>	0.6	0.4
Nitration	Abs/cm	ASTM D7624*		<b>18.1</b>	16.4	12.8
Sulfation	Abs/.1mm	ASTM D7415*		<b>36.2</b>	32.1	27.3
Emulsified Water	scalar	Visual*	>0.2	<b>NEG</b>	NEG	NEG
Sodium	ppm	ASTM D5185(m)		<b>9</b>	7	6
Boron	ppm	ASTM D5185(m)	65	<b>24</b>	25	30
Barium	ppm	ASTM D5185(m)	0	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185(m)	65	<b>10</b>	9	8
Manganese	ppm	ASTM D5185(m)	0	<b>1</b>	1	<1
Magnesium	ppm	ASTM D5185(m)	1160	<b>16</b>	15	14
Calcium	ppm	ASTM D5185(m)	820	<b>2319</b>	2247	2134
Phosphorus	ppm	ASTM D5185(m)	1160	<b>997</b>	990	946
Zinc	ppm	ASTM D5185(m)	1260	<b>1223</b>	1214	1134
Sulfur	ppm	ASTM D5185(m)	3000	<b>2799</b>	2843	2832
Oxidation	Abs/.1mm	ASTM D7414*		<b>33.7</b>	28.4	21.8
Base Number (BN)	mg KOH/g	ASTM D2896*	11.0	<b>▲ 3.24</b>	4.49	5.35
Visc @ 40°C	cSt	ASTM D7279(m)	95.1	<b>80.3</b>	77.9	71.1
Visc @ 100°C	cSt	ASTM D7279(m)	14.3	<b>12.8</b>	12.3	12.1
Viscosity Index (VI)	Scale	ASTM D2270*	169	<b>159</b>	155	168



ISO 17025:2017  
Accredited  
Laboratory

**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : PC393165  
**Lab Number** : 02152998  
**Unique Number** : 4523959  
**Test Package** : MOB 2 ( Additional Tests: KV40, PQ, VI )

**Received** : 21 Jun 2017  
**Tested** : 27 Jun 2017  
**Diagnosed** : 27 Jun 2017 - Kevin Marson

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.

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