

## **OIL ANALYSIS REPORT**

#### Sample Rating Trend





#### Component Diesel Engine Fluid

### PETRO CANADA DURON SHP 10W30 (--- GAL)

#### DIAGNOSIS

#### Recommendation

Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

#### Wear

Metal levels are typical for a new component breaking in.

#### Contamination

Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. There is no indication of any contamination in the oil.

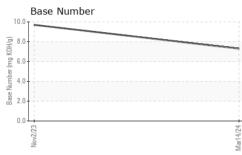
#### Fluid Condition

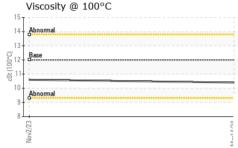
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Machine AgemlsClient Info3542115052Oil AgemlsClient Info00Oil ChangedClient InfoNot ChangdNot ChangdSample StatusImit/basecurrenthistory1history2FuelWC Method>5<1.0<1.0WaterWC Method>0.2NEGNEGGlycolWC Method>0.2NEGNEGWEAR METALSmethodlimit/basecurrenthistory1history2IronppmASTM D5185m>1006332NickelppmASTM D5185m>2021NickelppmASTM D5185m>44<1<1NickelppmASTM D5185m>3000AluminumppmASTM D5185m>330159LeadppmASTM D5185m>1512VanadiumppmASTM D5185m>1512CadmiumppmASTM D5185m>15100ADDITIVESmethodlimit/basecurrenthistory1history2BoronppmASTM D5185m2920ADDITIVESmethodlimit/basecurrenthistory1history2BoronppmASTM D5185m2920Molybdenumppm<	GAL)			Nov2023	Mar2024		
Sample Date      Client Info      14 Mar 2024      02 Nov 2023         Machine Age      mis      Client Info      35421      15052         Oil Age      mis      Client Info      0      0      0         Oil Changed      Client Info      Not Changd      Not Changd      Nor Changd         Sample Status      Client Info      Not Changd      Nor Changd	SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Machine Age      mls      Client Info      35421      15052         Oil Age      rils      Client Info      0      0         Oil Changed      Client Info      Not Changd      Not Changd         Sample Status      Imit/base      current      History!         Water      WC Method      >5      <1.0         Glycol      WC Method      >0.2      NEG      NEG         Water      WC Method      >0.2      NEG      NEG         Ottomium      ppm      ASTM DS185m      >100      63      32         Nickel      ppm      ASTM DS185m      >20      2      1         Nickel      ppm      ASTM DS185m      >20      21      12         Silver      ppm      ASTM DS185m      >20      0         Auminum      ppm      ASTM DS185m      >1      2         Copper      ppm      ASTM DS185m      >1      2      -	Sample Number		Client Info		PCA0120636	PCA0110455	
Oil Age      mls      Client Info      0      0         Oil Changed      Client Info      Not Changd      Not Changd         Sample Status      Imil/bass      current      history1         CONTAMINATION      method      imil/bass      current      history1      history2        Fuel      WC Method      >5      <1.0          Water      WC Method      >0.2      NEG      NEG         WetAR METALS      method      imil/base      current      history1      history2        Iron      ppm      ASTM D5185m      >100      63      32         Nickel      ppm      ASTM D5185m      >4      <1          Silver      ppm      ASTM D5185m      >4      <1      1         Copper      ppm      ASTM D5185m      >40      0      0         Cadmium      ppm      ASTM D5185m      >4      <1      1         Cadmium      ppm	Sample Date		Client Info		14 Mar 2024	02 Nov 2023	
One Changed Sample Status      Client Info      Not Changd NORMAL      Not Changd NORMAL         CONTAMINATION      method      limit/base      current      history1      history2        Fuel      WC Method      >5      <1.0	Machine Age	mls	Client Info		35421	15052	
Sample Status      NORMAL      NORMAL      NORMAL         CONTAMINATION      method      limil/base      current      history1      history2        Fuel      WC Method      >5      <1.0      <1.0         Water      WC Method      >0.2      NEG      NEG         Glycol      WC Method      NOR      NEG      NEG         WEAR METALS      method      limil/base      current      history1      history2        Iron      ppm      ASTM D5185m      >100      63      32         Nickel      ppm      ASTM D5185m      >20      2      1         Nickel      ppm      ASTM D5185m      >3      0      0         Aduminum      ppm      ASTM D5185m      >20      21      1         Lead      ppm      ASTM D5185m      >30      1      2         Vanadium      ppm      ASTM D5185m      >1      2         Vanadium      ppm	Oil Age	mls	Client Info		0	0	
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Fuel      WC Method      >5      <1.0	Sample Status				NORMAL		
Water      WC Method      >0.2      NEG      NEG         Glycol      WC Method      Imit/base      current      history1      history2        WEAR METALS      method      limit/base      current      history1      history2        Iron      ppm      ASTM D5185m      >100      63      32         Chromium      ppm      ASTM D5185m      >20      2      1         Nickel      ppm      ASTM D5185m      >3      0      0         Aluminum      ppm      ASTM D5185m      >30      0      0         Silver      ppm      ASTM D5185m      >20      21      12         Auminum      ppm      ASTM D5185m      >30      15      9         Cadmium      ppm      ASTM D5185m      >1      2          Additum      ppm      ASTM D5185m      0      0      0         Cadmium      ppm      ASTM D5185m      0      55      52	CONTAMINAT	ION	method	limit/base	current	history1	history2
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WEAR METALS      method      limit/base      current      history1      history2        Iron      ppm      ASTM D5185m      >100      63      32         Chromium      ppm      ASTM D5185m      >20      2      1         Nickel      ppm      ASTM D5185m      >20      2      1         Titanium      ppm      ASTM D5185m      >3      0      0         Silver      ppm      ASTM D5185m      >3      0      0         Aluminum      ppm      ASTM D5185m      >20      21      12         Lead      ppm      ASTM D5185m      >20      21      0         Copper      ppm      ASTM D5185m      >330      15      9         Cadmium      ppm      ASTM D5185m      1      2          Admium      ppm      ASTM D5185m      0      0      0          Cadmium      ppm      ASTM D5185m      0	Water		WC Method	>0.2	NEG	NEG	
Iron      ppm      ASTM D5185m      >100      63      32         Chromium      ppm      ASTM D5185m      >20      2      1         Nickel      ppm      ASTM D5185m      >4      <1          Nickel      ppm      ASTM D5185m      >4      <1          Silver      ppm      ASTM D5185m      >20      21      12         Lead      ppm      ASTM D5185m      >20      21      1         Copper      ppm      ASTM D5185m      >20      21      1         Cadmium      ppm      ASTM D5185m      >20      21      0         Cadmium      ppm      ASTM D5185m      >330      15      9         Cadmium      ppm      ASTM D5185m      >30      0      0         ADDITVES      method      limit/base      current      history1      history2        Boron      ppm      ASTM D5185m      9	Glycol		WC Method		NEG	NEG	
Chromium      ppm      ASTM D5185m      >20      2      1         Nickel      ppm      ASTM D5185m      >4      <1      <1         Titanium      ppm      ASTM D5185m      >3      0      0         Silver      ppm      ASTM D5185m      >3      0      0         Lead      ppm      ASTM D5185m      >20      21      12         Copper      ppm      ASTM D5185m      >40      <1      1         Copper      ppm      ASTM D5185m      >40      <1      0         Cadmium      ppm      ASTM D5185m      >30      15      9         Vanadium      ppm      ASTM D5185m      >30      0      0         ADDITIVES      method      limit/base      current      history1      history2        Boron      ppm      ASTM D5185m      5      52          Magnesium      ppm      ASTM D5185m      950      855	WEAR METAL	S	method	limit/base	current	history1	history2
Nickel      ppm      ASTM D5185m      >4      <1	Iron	ppm	ASTM D5185m	>100	63	32	
Titanium      ppm      ASTM D5185m      0      0         Silver      ppm      ASTM D5185m      >3      0      0         Aluminum      ppm      ASTM D5185m      >20      21      12         Lead      ppm      ASTM D5185m      >40      <1      1         Copper      ppm      ASTM D5185m      >330      15      9         Yanadium      ppm      ASTM D5185m      >1      2         Cadmium      ppm      ASTM D5185m      <1      0         Cadmium      ppm      ASTM D5185m      <1      0         ADDITIVES      method      Imit/base      current      history1      history2        Boron      ppm      ASTM D5185m      0      0      0         Maganese      ppm      ASTM D5185m      0      6      5         Maganesium      ppm      ASTM D5185m      1050      1369      1234 <t< th=""><th>Chromium</th><th>ppm</th><th>ASTM D5185m</th><th>&gt;20</th><th>2</th><th>1</th><th></th></t<>	Chromium	ppm	ASTM D5185m	>20	2	1	
Silver      ppm      ASTM D5185m      >3      0      0         Aluminum      ppm      ASTM D5185m      >20      21      12         Lead      ppm      ASTM D5185m      >40      <1      1         Copper      ppm      ASTM D5185m      >40      <1      1         Vanadium      ppm      ASTM D5185m      >15      1      2         Cadmium      ppm      ASTM D5185m      <1      0         Cadmium      ppm      ASTM D5185m      <1      0         Cadmium      ppm      ASTM D5185m      0      0      0         Boron      ppm      ASTM D5185m      0      5      52         Maganese      ppm      ASTM D5185m      0      6      5         Maganesium      ppm      ASTM D5185m      1050      1369      1234         Calcium      ppm      ASTM D5185m      2600      3210      2932	Nickel	ppm	ASTM D5185m	>4	<1	<1	
Aluminum      ppm      ASTM D5185m      >20      21      12         Lead      ppm      ASTM D5185m      >40      <1      1         Copper      ppm      ASTM D5185m      >330      15      9         Tin      ppm      ASTM D5185m      >15      1      2         Vanadium      ppm      ASTM D5185m      >15      1      0         Cadmium      ppm      ASTM D5185m      2      9      0      0         ADDITIVES      method      limit/base      current      history1      history2        Boron      ppm      ASTM D5185m      0      0      0         Molybdenum      ppm      ASTM D5185m      50      55      52         Marganese      ppm      ASTM D5185m      950      855      855         Calcium      ppm      ASTM D5185m      950      889      981         Sulfur      ppm      ASTM D5185m      <	Titanium	ppm	ASTM D5185m		0	0	
Lead      ppm      ASTM D5185m      >40      <1	Silver	ppm	ASTM D5185m	>3	0	0	
Copper      ppm      ASTM D5185m      >330      15      9         Tin      ppm      ASTM D5185m      >15      1      2         Vanadium      ppm      ASTM D5185m      >15      1      2         Cadmium      ppm      ASTM D5185m      0      0         ADDITIVES      method      limit/base      current      history1      history2        Boron      ppm      ASTM D5185m      2      9      20         Molybdenum      ppm      ASTM D5185m      0      0      0         Marganese      ppm      ASTM D5185m      0      6      5         Magnesium      ppm      ASTM D5185m      950      855      855         Calcium      ppm      ASTM D5185m      1050      1369      1234         Sulfur      ppm      ASTM D5185m      995      889      981         Sulfur      ppm      ASTM D5185m      2600      3210	Aluminum	ppm	ASTM D5185m	>20	21	12	
Tin      ppm      ASTM D5185m      >15      1      2         Vanadium      ppm      ASTM D5185m       <10      0         Cadmium      ppm      ASTM D5185m      0      0         ADDITIVES      method      limit/base      current      history1      history2        Boron      ppm      ASTM D5185m      2      9      20         Barium      ppm      ASTM D5185m      0      0      0         Molybdenum      ppm      ASTM D5185m      50      55      52         Magnese      ppm      ASTM D5185m      90      855      855         Calcium      ppm      ASTM D5185m      905      889      981         Phosphorus      ppm      ASTM D5185m      995      889      981         Sulfur      ppm      ASTM D5185m      925      233      30         Sodium      ppm      ASTM D5185m      >20      42	Lead		ASTM D5185m	>40	<1	1	
Tin      ppm      ASTM D5185m      >15      1      2         Vanadium      ppm      ASTM D5185m       <10      0         Cadmium      ppm      ASTM D5185m      0      0         ADDITIVES      method      limit/base      current      history1      history2        Boron      ppm      ASTM D5185m      2      9      20         Barium      ppm      ASTM D5185m      0      0      0         Molybdenum      ppm      ASTM D5185m      50      55      52         Magnese      ppm      ASTM D5185m      90      855      855         Calcium      ppm      ASTM D5185m      905      889      981         Phosphorus      ppm      ASTM D5185m      995      889      981         Sulfur      ppm      ASTM D5185m      925      233      30         Sodium      ppm      ASTM D5185m      >20      42	Copper	ppm	ASTM D5185m	>330	15	9	
Cadmium      ppm      ASTM D5185m      0      0         ADDITIVES      method      limit/base      current      history1      history2        Boron      ppm      ASTM D5185m      2      9      20         Barium      ppm      ASTM D5185m      0      0      0      0         Manganese      ppm      ASTM D5185m      0      55      52         Magnesium      ppm      ASTM D5185m      0      6      5         Magnesium      ppm      ASTM D5185m      0      6      5         Calcium      ppm      ASTM D5185m      0      6      5         Calcium      ppm      ASTM D5185m      950      889      981         Sulfur      ppm      ASTM D5185m      920      3210      2932         Sulfur      ppm      ASTM D5185m      >20      42      28         Sulfur      ppm      ASTM D5185m      >20      4		ppm	ASTM D5185m	>15	1	2	
ADDITIVES      method      limit/base      current      history1      history2        Boron      ppm      ASTM D5185m      2      9      20         Barium      ppm      ASTM D5185m      0      0      0         Molybdenum      ppm      ASTM D5185m      50      55      52         Magnesium      ppm      ASTM D5185m      0      6      5         Calcium      ppm      ASTM D5185m      950      855      855         Calcium      ppm      ASTM D5185m      905      889      981         Zinc      ppm      ASTM D5185m      995      889      981         Sulfur      ppm      ASTM D5185m      2600      3210      2932         Sulfur      ppm      ASTM D5185m      25      23      30         Sodium      ppm      ASTM D5185m      >20      42      28         INFRA-RED      method      limit/base      current	Vanadium	ppm	ASTM D5185m		<1	0	
Boron      ppm      ASTM D5185m      2      9      20         Barium      ppm      ASTM D5185m      0      0      0      0         Molybdenum      ppm      ASTM D5185m      50      55      52         Manganese      ppm      ASTM D5185m      0      6      5         Magnesium      ppm      ASTM D5185m      950      855      855         Calcium      ppm      ASTM D5185m      1050      1369      1234         Phosphorus      ppm      ASTM D5185m      995      889      981         Zinc      ppm      ASTM D5185m      1180      1100      1177         Sulfur      ppm      ASTM D5185m      2600      3210      2932         Solicon      ppm      ASTM D5185m      >25      23      30         Solicon      ppm      ASTM D5185m      >20      42      28         INFRA-RED      method	Cadmium	ppm	ASTM D5185m		0	0	
Barium      ppm      ASTM D5185m      0      0      0         Molybdenum      ppm      ASTM D5185m      50      55      52         Manganese      ppm      ASTM D5185m      0      6      5         Magnesium      ppm      ASTM D5185m      950      855      855         Calcium      ppm      ASTM D5185m      1050      1369      1234         Phosphorus      ppm      ASTM D5185m      1050      1369      981         Zinc      ppm      ASTM D5185m      995      889      981         Sulfur      ppm      ASTM D5185m      995      889      981         Sulfur      ppm      ASTM D5185m      2600      3210      2932         Sulfur      ppm      ASTM D5185m      >25      23      30         Sodium      ppm      ASTM D5185m      >20      42      28         INFRA-RED      method      limit/base	ADDITIVES		method	limit/base	current	history1	history2
Molybdenum      ppm      ASTM D5185m      50      55      52         Manganese      ppm      ASTM D5185m      0      6      5         Magnesium      ppm      ASTM D5185m      950      855      855         Calcium      ppm      ASTM D5185m      1050      1369      1234         Phosphorus      ppm      ASTM D5185m      1050      1369      1234         Zinc      ppm      ASTM D5185m      1050      1369      1234         Sulfur      ppm      ASTM D5185m      995      889      981         Sulfur      ppm      ASTM D5185m      2600      3210      2932         CONTAMINANTS      method      limit/base      current      history1      history2        Silicon      ppm      ASTM D5185m      >20      42      28         Potassium      ppm      ASTM D7844      >3      0.6      0.2         INFRA-RED      method <t< th=""><th>Boron</th><th>ppm</th><th>ASTM D5185m</th><th>2</th><th>9</th><th>20</th><th></th></t<>	Boron	ppm	ASTM D5185m	2	9	20	
Manganese      ppm      ASTM D5185m      0      6      5         Magnesium      ppm      ASTM D5185m      950      855      855         Calcium      ppm      ASTM D5185m      1050      1369      1234         Phosphorus      ppm      ASTM D5185m      995      889      981         Zinc      ppm      ASTM D5185m      995      889      981         Sulfur      ppm      ASTM D5185m      995      889      981         Sulfur      ppm      ASTM D5185m      2600      3210      2932         CONTAMINANTS      method      limit/base      current      history1      history2        Silicon      ppm      ASTM D5185m      >25      23      30         Sodium      ppm      ASTM D5185m      >20      42      28         INFRA-RED      method      limit/base      current      history1      history2        Soot %      %      *ASTM D7844	Barium	ppm	ASTM D5185m	0	0	0	
Magnesium      ppm      ASTM D5185m      950      855      855         Calcium      ppm      ASTM D5185m      1050      1369      1234         Phosphorus      ppm      ASTM D5185m      995      889      981         Zinc      ppm      ASTM D5185m      1180      1100      1177         Sulfur      ppm      ASTM D5185m      2600      3210      2932         CONTAMINANTS      method      limit/base      current      history1      history2        Silicon      ppm      ASTM D5185m      >25      23      30         Sodium      ppm      ASTM D5185m      >20      42      28         INFRA-RED      method      limit/base      current      history1      history2        Soot %      %      *ASTM D7844      >3      0.6      0.2         Nitration      Abs/.1mm      *ASTM D7624      >20      10.2      6.6    Sulfation      Abs/.1mm      *ASTM D762	Molybdenum	ppm	ASTM D5185m	50	55	52	
Calcium      ppm      ASTM D5185m      1050      1369      1234         Phosphorus      ppm      ASTM D5185m      995      889      981         Zinc      ppm      ASTM D5185m      1180      1100      1177         Sulfur      ppm      ASTM D5185m      2600      3210      2932         CONTAMINANTS      method      limit/base      current      history1      history2        Silicon      ppm      ASTM D5185m      >25      23      30         Sodium      ppm      ASTM D5185m      >25      23      30         Potassium      ppm      ASTM D5185m      >20      42      28         INFRA-RED      method      limit/base      current      history1      history2        Soot %      %      *ASTM D7844      >3      0.6      0.2         Nitration      Abs/cm<*ASTM D7624      >20      10.2      6.6         Sulfation      Abs/.1mm<*ASTM D7415      >30	Manganese	ppm	ASTM D5185m	0	6	5	
Phosphorus      ppm      ASTM D5185m      995      889      981         Zinc      ppm      ASTM D5185m      1180      1100      1177         Sulfur      ppm      ASTM D5185m      2600      3210      2932         CONTAMINANTS      method      limit/base      current      history1      history2        Silicon      ppm      ASTM D5185m      >25      23      30         Sodium      ppm      ASTM D5185m      >25      23      30         Potassium      ppm      ASTM D5185m      >20      42      28         INFRA-RED      method      limit/base      current      history1      history2        Soot %      %      *ASTM D7844      >3      0.6      0.2         Nitration      Abs/cm      *ASTM D7624      >20      10.2      6.6         Sulfation      Abs/.tmm<*ASTM D7415      >30      21.0      19.4         FLUID DEGRADATION      method      limit/base	Magnesium	ppm	ASTM D5185m	950	855	855	
Zinc      ppm      ASTM D5185m      1180      1100      1177         Sulfur      ppm      ASTM D5185m      2600      3210      2932         CONTAMINANTS      method      limit/base      current      history1      history2        Silicon      ppm      ASTM D5185m      >25      23      30         Sodium      ppm      ASTM D5185m      >25      23      30         Sodium      ppm      ASTM D5185m      >20      42      28         INFRA-RED      method      limit/base      current      history1      history2        Soot %      %      *ASTM D7844      >3      0.6      0.2         Nitration      Abs/cm      *ASTM D7624      >20      10.2      6.6         Sulfation      Abs/tmm      *ASTM D7415      >30      21.0      19.4         FLUID DEGRADATION      method      limit/base      current      history1      history2        Oxidation      Abs/.1mm      *ASTM	Calcium	ppm	ASTM D5185m	1050	1369	1234	
SulfurppmASTM D5185m260032102932CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185m>252330SodiumppmASTM D5185m>204228PotassiumppmASTM D5185m>204228INFRA-REDmethodlimit/basecurrenthistory1history2Soot %%*ASTM D7844>30.60.2NitrationAbs/cm*ASTM D7624>2010.26.6SulfationAbs/rlm*ASTM D7415>3021.019.4FLUID DEGRADATIONmethodlimit/basecurrenthistory1history2OxidationAbs/rlm*ASTM D7414>2518.915.8	Phosphorus	ppm	ASTM D5185m	995	889	981	
CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185m>252330SodiumppmASTM D5185m51PotassiumppmASTM D5185m>204228INFRA-REDmethodlimit/basecurrenthistory1history2Soot %%*ASTM D7844>30.60.2NitrationAbs/cm*ASTM D7624>2010.26.6SulfationAbs/rm*ASTM D7614>3021.019.4FLUID DEGRADATIONmethodlimit/basecurrenthistory1history2OxidationAbs/.1mm*ASTM D7414>2518.915.8	Zinc	ppm	ASTM D5185m	1180	1100	1177	
Silicon      ppm      ASTM D5185m      >25      23      30         Sodium      ppm      ASTM D5185m      5      1         Potassium      ppm      ASTM D5185m      >20      42      28         INFRA-RED      method      limit/base      current      history1      history2        Soot %      %      *ASTM D7844      >3      0.6      0.2         Nitration      Abs/cm      *ASTM D7624      >20      10.2      6.6         Sulfation      Abs/tm      *ASTM D7415      >30      21.0      19.4         FLUID DEGRADATION      method      limit/base      current      history1      history2        Oxidation      Abs/.1mm      *ASTM D7414      >25      18.9      15.8	Sulfur	ppm	ASTM D5185m	2600	3210	2932	
Sodium      ppm      ASTM D5185m      5      1         Potassium      ppm      ASTM D5185m      >20      42      28         INFRA-RED      method      limit/base      current      history1      history2        Soot %      %      *ASTM D7844      >3      0.6      0.2         Nitration      Abs/cm      *ASTM D7624      >20      10.2      6.6         Sulfation      Abs/.1mm      *ASTM D7415      >30      21.0      19.4         FLUID DEGRADATION      method      limit/base      current      history1      history2        Oxidation      Abs/.1mm      *ASTM D7414      >25      18.9      15.8	CONTAMINAN	TS	method	limit/base	current	history1	history2
Potassium      ppm      ASTM D5185m      >20      42      28         INFRA-RED      method      limit/base      current      history1      history2        Soot %      %      *ASTM D7844      >3      0.6      0.2         Nitration      Abs/cm      *ASTM D7624      >20      10.2      6.6         Sulfation      Abs/.1mm      *ASTM D7415      >30      21.0      19.4         FLUID DEGRADATION      method      limit/base      current      history1      history2        Oxidation      Abs/.1mm      *ASTM D7414      >25      18.9      15.8	Silicon	ppm	ASTM D5185m	>25	23	30	
INFRA-REDmethodlimit/basecurrenthistory1history2Soot %%*ASTM D7844>30.60.2NitrationAbs/cm*ASTM D7624>2010.26.6SulfationAbs/.1mm*ASTM D7415>3021.019.4FLUID DEGRADATIONmethodlimit/basecurrenthistory1history2OxidationAbs/.1mm*ASTM D7414>2518.915.8	Sodium	ppm	ASTM D5185m		5	1	
Soot %      %      *ASTM D7844      >3      0.6      0.2         Nitration      Abs/cm      *ASTM D7624      >20      10.2      6.6         Sulfation      Abs/.1mm      *ASTM D7415      >30      21.0      19.4         FLUID DEGRADATION      method      limit/base      current      history1      history2        Oxidation      Abs/.1mm      *ASTM D7414      >25      18.9      15.8	Potassium	ppm	ASTM D5185m	>20	42	28	
Nitration      Abs/cm      *ASTM D7624      >20      10.2      6.6         Sulfation      Abs/.1mm      *ASTM D7615      >30      21.0      19.4         FLUID DEGRADATION      method      limit/base      current      history1      history2        Oxidation      Abs/.1mm      *ASTM D7414      >25      18.9      15.8	INFRA-RED		method	limit/base	current	history1	history2
Sulfation      Abs/.1mm      *ASTM D7415      >30      21.0      19.4         FLUID DEGRADATION      method      limit/base      current      history1      history2        Oxidation      Abs/.1mm      *ASTM D7414      >25      18.9      15.8	Soot %	%	*ASTM D7844	>3	0.6	0.2	
FLUID DEGRADATION  method  limit/base  current  history1  history2    Oxidation  Abs/.1mm  *ASTM D7414  >25  18.9  15.8	Nitration	Abs/cm	*ASTM D7624	>20	10.2	6.6	
Oxidation Abs/.1mm *ASTM D7414 >25 18.9 15.8	Sulfation	Abs/.1mm	*ASTM D7415	>30	21.0	19.4	
	FLUID DEGRA	DATION	method	limit/base	current	history1	history2
Base Number (BN)      mg KOH/g      ASTM D2896      7.3      9.7	Oxidation	Abs/.1mm	*ASTM D7414	>25	18.9	15.8	
	Base Number (BN)	mg KOH/g	ASTM D2896		7.3	9.7	



# **OIL ANALYSIS REPORT**







Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F: (201)528-7053

Certificate L2367