

# **OIL ANALYSIS REPORT**



#### Machine Id **735463** Component **Diesel Engine** Fluid **PETRO CANADA DURON SHP 10W30 (--- QTS**)

## DIAGNOSIS

#### Recommendation

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

#### Wear

All component wear rates are normal.

#### Contamination

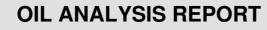
Elevated aluminum (AI) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. There is no indication of any contamination in the oil.

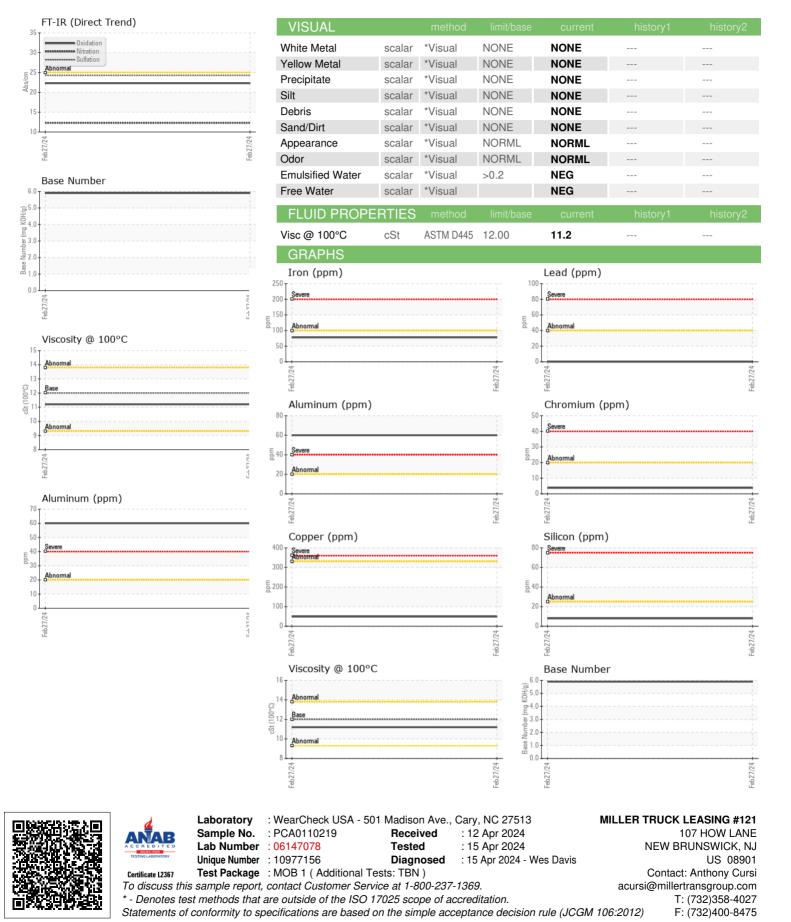
### Fluid Condition

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

SAMPLE INFORMATION      method      limit/base      current      history1      history2        Sample Number      Client Info      27 Feb 2024          Machine Age      mls      Client Info      145515          Oil Age      mls      Client Info      120000          Oil Changed      Client Info      Changed          Oil Changed      Client Info      Changed          CONTAMINATION      method      Imit/base      current      history1      history2        Year      WC Method      >5      <1.0          Water      WC Method      >0.2      NEG          Vetar      WC Method      >0.2      AE          Vetar      MSIM 05185m      >100      78          Vater      WC Method      >0           Iron      ppm      ASIM 05185m      >10 <th>QTS)</th> <th></th> <th></th> <th></th> <th>Feb2024</th> <th></th> <th></th>	QTS)				Feb2024		
Sample Date      Client Info      27 Feb 2024          Machine Age      mis      Client Info      145515          Oil Age      mis      Client Info      120000          Sample Status      Client Info      Changed          CONTAMINATION      method      Imit/base      current      Nistory1      History2        Fuel      WC Method      >5      <1.0          Water      WC Method      >0.2      NEG          WEAR METALS      method      Imit/base      current      history1      history2        Iron      ppm      ASTM 05185m      >20      4          Nickel      ppm      ASTM 05185m      >20      60          Silver      ppm      ASTM 05185m      >20      60          Chromium      ppm      ASTM 05185m      >30           Silver      ppm	SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Date      Client Info      27 Feb 2024          Machine Age      mis      Client Info      145515          Oil Age      mis      Client Info      120000          Oil Changed      Client Info      Changed          Sample Status      Imit Dase      current      History1      History2        Fuel      WC Method      >5      <1.0          Water      WC Method      >0.2      NEG          WEAR METALS      method      limit/base      current      History1      History2        Iron      ppm      ASTM D5185m      >100      78          Nickel      ppm      ASTM D5185m      >4      0          Silver      ppm      ASTM D5185m      >4      0          Chromium      ppm      ASTM D5185m      >20      60          Silver      ppm      ASTM	Sample Number		Client Info		PCA0110219		
Oil Age      mls      Client Info      120000          Oil Changed      Client Info      Changed          Sample Status      Imitibase      current      history1      history2        Fuel      WC Method      >5      <1.0          Water      WC Method      >0.2      NEG          Wear      WC Method      >0.2      NEG          WEAR METALS      method      Imitibase      current      history1      history2        Iron      ppm      ASTM 05185m      >100      78          Traium      ppm      ASTM 05185m      >20      4          Silver      ppm      ASTM 05185m      >30           Lead      ppm      ASTM 05185m      >30      49          Copper      ppm      ASTM 05185m      0      0          Cadaium      ppm      ASTM 05			Client Info		27 Feb 2024		
Oil Changed      Client Info      Changed          Sample Status      Imit/base      current      history1      history2        Fuel      WC Method      >5      <1.0          Water      WC Method      >5      <1.0          Water      WC Method      >0.2      NEG          WEAR METALS      method      limit/base      current      history1      history2        Iron      ppm      ASTM D5185n      >100      78          MCARM METALS      method      limit/base      current      history1         Iron      ppm      ASTM D5185n      >20      4          Nickel      ppm      ASTM D5185n      >3      0          Aluminum      ppm      ASTM D5185n      >3      0          Aluminum      ppm      ASTM D5185n      >3      0          Copper      pm <t< th=""><td>Machine Age</td><td>mls</td><td>Client Info</td><td></td><th>145515</th><td></td><td></td></t<>	Machine Age	mls	Client Info		145515		
Sample Status      NORMAL          CONTAMINATION      method      imit/base      current      history1      history2        Fuel      WC Method      >5      <1.0          Water      WC Method      >0.2      NEG          Glycol      WC Method      >0.2      NEG          WEAR METALS      method      imit/base      current      history1      history2        Iron      ppm      ASTM DSIS5      >20      4          Ochromium      ppm      ASTM DSIS5      >20      4          Nickel      ppm      ASTM DSIS5      >20      60          Lead      ppm      ASTM DSIS5      >20      60          Copper      ppm      ASTM DSIS5      >20      60          Lead      ppm      ASTM DSIS5      20           Cadmium      ppm      A	Oil Age	mls	Client Info		120000		
CONTAMINATION      method      limit/base      current      history1      history2        Fuel      WC Method      >5      <1.0          Glycol      WC Method      >0.2      NEG          WEAR METALS      method      Imit/base      current      history1      history2        Iron      ppm      ASTM D5165m      >100      78          Nickel      ppm      ASTM D5165m      >20      4          Nickel      ppm      ASTM D5165m      >30           Aluminum      ppm      ASTM D5165m      >20      60          Lead      ppm      ASTM D5165m      >30      49          Cadmium      ppm      ASTM D5165m      >15      2          Vanadium      ppm      ASTM D5165m      0           Cadmium      ppm      ASTM D5165m      0	Oil Changed		Client Info		Changed		
Fuel      WC Method      >5      <1.0	Sample Status				NORMAL		
Water      WC Method      >0.2      NEG          Glycol      WC Method      Imiltbase      current      history1      history2        WEAR METALS      method      Imiltbase      current      history1      history2        Iron      ppm      ASTM D5185m      >20      4          Chromium      ppm      ASTM D5185m      >20      4          Nickel      ppm      ASTM D5185m      >3      0          Aluminum      ppm      ASTM D5185m      >40      0          Lead      ppm      ASTM D5185m      >40      0          Capper      ppm      ASTM D5185m      >40      0          Cadmium      ppm      ASTM D5185m      >40      0          Cadmium      ppm      ASTM D5185m      >5      2          Cadmium      ppm      ASTM D5185m      0      0	CONTAMINAT	ION	method	limit/base	current	history1	history2
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Iron      ppm      ASTM D5185m      >100      78          Chromium      ppm      ASTM D5185m      >20      4          Nickel      ppm      ASTM D5185m      >4      0          Silver      ppm      ASTM D5185m      >3      0          Aluminum      ppm      ASTM D5185m      >30      60          Lead      ppm      ASTM D5185m      >40      0          Copper      ppm      ASTM D5185m      >40      0          Vanadium      ppm      ASTM D5185m      >15      2          Cadmium      ppm      ASTM D5185m      0          Mandaum      ppm      ASTM D5185m      0      0         Mandaume      ppm      ASTM D5185m      0      2         Mandaume      ppm      ASTM D5185m      0      2	Glycol		WC Method		NEG		
Chromium      ppm      ASTM D5185m      >20      4          Nickel      ppm      ASTM D5185m      >4      0          Titanium      ppm      ASTM D5185m      >3      0          Silver      ppm      ASTM D5185m      >3      0          Lead      ppm      ASTM D5185m      >20      60          Lead      ppm      ASTM D5185m      >20      60          Copper      ppm      ASTM D5185m      >40      0          Tin      ppm      ASTM D5185m      >15      2          Cadmium      ppm      ASTM D5185m      0          ADDITIVES      method      imit/base      current      history1      history2        Boron      ppm      ASTM D5185m      0      0          Molydeenum      ppm      ASTM D5185m      050      859 <td>WEAR METAL</td> <td>S</td> <td>method</td> <td>limit/base</td> <th>current</th> <td>history1</td> <td>history2</td>	WEAR METAL	S	method	limit/base	current	history1	history2
Nickel      ppm      ASTM D5185m      >4      0          Titanium      ppm      ASTM D5185m      >3      0          Silver      ppm      ASTM D5185m      >3      0          Aluminum      ppm      ASTM D5185m      >20      60          Lead      ppm      ASTM D5185m      >20      60          Copper      ppm      ASTM D5185m      >40      0          Vanadium      ppm      ASTM D5185m      >15      2          Vanadium      ppm      ASTM D5185m      0           Cadmium      ppm      ASTM D5185m      0      0          ADDITIVES      method      limit/base      current      history1      history2        Boron      ppm      ASTM D5185m      0      2          Molydeenum      ppm      ASTM D5185m      <	Iron	ppm	ASTM D5185m	>100	78		
Titanium      ppm      ASTM D5185m      0          Silver      ppm      ASTM D5185m      >3      0          Aluminum      ppm      ASTM D5185m      >20      60          Lead      ppm      ASTM D5185m      >40      0          Copper      ppm      ASTM D5185m      >15      2          Vanadium      ppm      ASTM D5185m      >15      2          Cadmium      ppm      ASTM D5185m      >15      2          Cadmium      ppm      ASTM D5185m      0           ADDITIVES      method      imit/base      current      history1      history2        Boron      ppm      ASTM D5185m      0      0          Magnaese      ppm      ASTM D5185m      0      2          Magnesium      ppm      ASTM D5185m      1050      1366	Chromium	ppm	ASTM D5185m	>20	4		
Silver      ppm      ASTM D5185m      >3      0          Aluminum      ppm      ASTM D5185m      >20      60          Lead      ppm      ASTM D5185m      >20      60          Copper      ppm      ASTM D5185m      >330      49          Vanadium      ppm      ASTM D5185m      >15      2          Vanadium      ppm      ASTM D5185m      >15      2          Cadmium      ppm      ASTM D5185m      0           ADDITIVES      method      limit/base      current      history1      history2        Boron      ppm      ASTM D5185m      0      0          Magnesium      ppm      ASTM D5185m      0      2          Magnesium      ppm      ASTM D5185m      950      859          Sulfur      ppm      ASTM D5185m      950	Nickel	ppm	ASTM D5185m	>4	0		
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Lead      ppm      ASTM D5185m      >40      0          Copper      ppm      ASTM D5185m      >330      49          Tin      ppm      ASTM D5185m      >15      2          Vanadium      ppm      ASTM D5185m      0          Cadmium      ppm      ASTM D5185m      0          ADDITIVES      method      limit/base      current      history1      history2        Boron      ppm      ASTM D5185m      0      0          Molybdenum      ppm      ASTM D5185m      0      2          Maganese      ppm      ASTM D5185m      0      2          Magnesium      ppm      ASTM D5185m      950      859          Calcium      ppm      ASTM D5185m      950      868          Sulfur      ppm      ASTM D5185m      2600      2676	Silver	ppm	ASTM D5185m	>3	0		
Copper      ppm      ASTM D5185m      >330      49          Tin      ppm      ASTM D5185m      >15      2          Vanadium      ppm      ASTM D5185m      >15      2          Cadmium      ppm      ASTM D5185m      0           Cadmium      ppm      ASTM D5185m      0      0          ADDITIVES      method      limit/base      current      history1      history2        Boron      ppm      ASTM D5185m      0      0          Magnesium      ppm      ASTM D5185m      0      2          Magnesium      ppm      ASTM D5185m      0      2          Magnesium      ppm      ASTM D5185m      0      2          Magnesium      ppm      ASTM D5185m      950      859          Sulfur      ppm      ASTM D5185m      2600	Aluminum	ppm	ASTM D5185m	>20	60		
Tin      ppm      ASTM D5185m      >15      2          Vanadium      ppm      ASTM D5185m      0          Cadmium      ppm      ASTM D5185m      0          ADDITIVES      method      limit/base      current      history1      history2        Boron      ppm      ASTM D5185m      2      9          Barium      ppm      ASTM D5185m      0      0          Molybdenum      ppm      ASTM D5185m      0      2          Magnesium      ppm      ASTM D5185m      950      859          Magnesium      ppm      ASTM D5185m      950      888          Calcium      ppm      ASTM D5185m      950      888          Sulfur      ppm      ASTM D5185m      950      2660      2676          Sodium      ppm      ASTM D5185m      20      125	Lead	ppm	ASTM D5185m	>40	0		
Vanadium      ppm      ASTM D5185m      0          Cadmium      ppm      ASTM D5185m      0          ADDITIVES      method      limit/base      current      history1      history2        Boron      ppm      ASTM D5185m      2      9          Barium      ppm      ASTM D5185m      0      0          Molybdenum      ppm      ASTM D5185m      0      0      2          Manganese      ppm      ASTM D5185m      0.0      2          Manganesium      ppm      ASTM D5185m      950      859          Manganesium      ppm      ASTM D5185m      950      858          Calcium      ppm      ASTM D5185m      950      859          Sulfur      ppm      ASTM D5185m      995      988          Sulfur      ppm      ASTM D5185m      2600<	Copper	ppm	ASTM D5185m	>330	49		
Cadmium      ppm      ASTM D5185m      0          ADDITIVES      method      limit/base      current      history1      history2        Boron      ppm      ASTM D5185m      2      9          Barium      ppm      ASTM D5185m      0      0          Molybdenum      ppm      ASTM D5185m      0      76          Manganese      ppm      ASTM D5185m      0      2          Magnesium      ppm      ASTM D5185m      0      2          Magnesium      ppm      ASTM D5185m      950      859          Calcium      ppm      ASTM D5185m      950      858          Zinc      ppm      ASTM D5185m      1050      1366          Sulfur      ppm      ASTM D5185m      2600      2676          Solicon      ppm      ASTM D5185m      225      8	Tin	ppm	ASTM D5185m	>15			
ADDITIVESmethodlimit/basecurrenthistory1history2BoronppmASTM D5185m29BariumppmASTM D5185m00MolybdenumppmASTM D5185m5076ManganeseppmASTM D5185m02MagnesiumppmASTM D5185m950859CalciumppmASTM D5185m10501366PhosphorusppmASTM D5185m995988ZincppmASTM D5185m26002676SulfurppmASTM D5185m26002676SulfurppmASTM D5185m>258PotassiumppmASTM D5185m>20125INFRA-REDmethodlimit/basecurrenthistory1history2Soot %%*ASTM D7844>31.5NitrationAbs/rm*ASTM D7444>31.5SulfationAbs/rm*ASTM D7415>3024.3QxidationAbs/rm*ASTM D7414>2522.3	Vanadium	ppm	ASTM D5185m		0		
Boron      ppm      ASTM D5185m      2      9          Barium      ppm      ASTM D5185m      0      0          Molybdenum      ppm      ASTM D5185m      50      76          Manganese      ppm      ASTM D5185m      0      2          Magnesium      ppm      ASTM D5185m      950      859          Calcium      ppm      ASTM D5185m      950      859          Calcium      ppm      ASTM D5185m      1050      1366          Zinc      ppm      ASTM D5185m      995      988          Sulfur      ppm      ASTM D5185m      9600      2676          Solicon      ppm      ASTM D5185m      >255      8          Sodium      ppm      ASTM D5185m      >20      125          Potassium      ppm      ASTM D5	Cadmium	ppm	ASTM D5185m		0		
Barium      ppm      ASTM D5185m      0      0          Molybdenum      ppm      ASTM D5185m      50      76          Manganese      ppm      ASTM D5185m      0      2          Magnesium      ppm      ASTM D5185m      950      859          Calcium      ppm      ASTM D5185m      950      13666          Calcium      ppm      ASTM D5185m      1050      13666          Phosphorus      ppm      ASTM D5185m      995      988          Zinc      ppm      ASTM D5185m      995      988          Sulfur      ppm      ASTM D5185m      2600      2676          Sulfur      ppm      ASTM D5185m      >25      8          Sodium      ppm      ASTM D5185m      >20      125          INFRA-RED      method	ADDITIVES		method	limit/base	current	history1	history2
Molybdenum      ppm      ASTM D5185m      50      76          Manganese      ppm      ASTM D5185m      0      2          Magnesium      ppm      ASTM D5185m      950      859          Calcium      ppm      ASTM D5185m      950      1366          Calcium      ppm      ASTM D5185m      1050      1366          Phosphorus      ppm      ASTM D5185m      1050      1366          Zinc      ppm      ASTM D5185m      995      988           Sulfur      ppm      ASTM D5185m      2600      2676           Sulfur      ppm      ASTM D5185m      2600      2676           Solicon      ppm      ASTM D5185m      >20      125           Potassium      ppm      ASTM D5185m      >20      125	Boron	ppm	ASTM D5185m	2	9		
Manganese      ppm      ASTM D5185m      0      2          Magnesium      ppm      ASTM D5185m      950      859          Calcium      ppm      ASTM D5185m      1050      1366          Phosphorus      ppm      ASTM D5185m      995      988          Zinc      ppm      ASTM D5185m      995      988          Sulfur      ppm      ASTM D5185m      995      988          Sulfur      ppm      ASTM D5185m      995      988          Sulfur      ppm      ASTM D5185m      2600      2676          Sulfur      ppm      ASTM D5185m      >25      8          Sodium      ppm      ASTM D5185m      >20      125          Potassium      ppm      ASTM D5185m      >20      12.3          Nitration      Abs/.1mm	Barium	ppm	ASTM D5185m	0	0		
Magnesium      ppm      ASTM D5185m      950      859          Calcium      ppm      ASTM D5185m      1050      1366          Phosphorus      ppm      ASTM D5185m      995      988          Zinc      ppm      ASTM D5185m      995      988          Sulfur      ppm      ASTM D5185m      1180      1230          Sulfur      ppm      ASTM D5185m      2600      2676          CONTAMINANTS      method      limit/base      current      history1      history2        Silicon      ppm      ASTM D5185m      >25      8          Sodium      ppm      ASTM D5185m      >20      125          Potassium      ppm      ASTM D5185m      >20      125          INFRA-RED      method      limit/base      current      history1      history2        Soot %      %      *ASTM D7624	Molybdenum	ppm	ASTM D5185m	50	76		
Calcium      ppm      ASTM D5185m      1050      1366          Phosphorus      ppm      ASTM D5185m      995      988          Zinc      ppm      ASTM D5185m      1180      1230          Sulfur      ppm      ASTM D5185m      2600      2676          CONTAMINANTS      method      limit/base      current      history1      history2        Silicon      ppm      ASTM D5185m      >25      8          Sodium      ppm      ASTM D5185m      >25      8          Potassium      ppm      ASTM D5185m      >20      125          INFRA-RED      method      limit/base      current      history1      history2        Soot %      %      *ASTM D7844      >3      1.5          Nitration      Abs/.mm      *ASTM D7414      >30      24.3          FLUID DEGRADATION      method	Manganese	ppm	ASTM D5185m	0	2		
Phosphorus      ppm      ASTM D5185m      995      988          Zinc      ppm      ASTM D5185m      1180      1230          Sulfur      ppm      ASTM D5185m      2600      2676          CONTAMINANTS      method      limit/base      current      history1      history2        Silicon      ppm      ASTM D5185m      >25      8          Sodium      ppm      ASTM D5185m      >25      8          Sodium      ppm      ASTM D5185m      >20      125          Potassium      ppm      ASTM D5185m      >20      125          INFRA-RED      method      limit/base      current      history1      history2        Soot %      %      *ASTM D7624      >3      1.5          Nitration      Abs/cm      *ASTM D741      >30      24.3     FLUID DEGRADATION      method      lim	Magnesium	ppm	ASTM D5185m	950	859		
Zinc      ppm      ASTM D5185m      1180      1230          Sulfur      ppm      ASTM D5185m      2600      2676          CONTAMINANTS      method      limit/base      current      history1      history2        Silicon      ppm      ASTM D5185m      >25      8          Sodium      ppm      ASTM D5185m      >25      8          Sodium      ppm      ASTM D5185m      >20      125          Potassium      ppm      ASTM D5185m      >20      125          INFRA-RED      method      limit/base      current      history1      history2        Soot %      %      *ASTM D7644      >3      1.5          Nitration      Abs/cm      *ASTM D7644      >20      12.3          Sulfation      Abs/.1mm      *ASTM D7645      >30      24.3     FLUID DEGRADATION      method	Calcium	ppm	ASTM D5185m	1050	1366		
SulfurppmASTM D5185m26002676CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185m>258SodiumppmASTM D5185m>205PotassiumppmASTM D5185m>20125INFRA-REDmethodlimit/basecurrenthistory1history2Soot %%*ASTM D7624>31.5NitrationAbs/cm*ASTM D7624>2012.3SulfationAbs/lmm*ASTM D7415>3024.3OxidationAbs/lmm*ASTM D7414>2522.3	Phosphorus	ppm		995	988		
CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185m>258SodiumppmASTM D5185m5PotassiumppmASTM D5185m>20125INFRA-REDmethodlimit/basecurrenthistory1history2Soot %%*ASTM D7844>31.5NitrationAbs/cm*ASTM D7624>2012.3SulfationAbs/lmm*ASTM D7415>3024.3FLUID DEGRADATIONmethodlimit/basecurrenthistory1history2OxidationAbs/lmm*ASTM D7414>2522.3	Zinc	ppm	ASTM D5185m	1180	1230		
Silicon      ppm      ASTM D5185m      >25      8          Sodium      ppm      ASTM D5185m      5          Potassium      ppm      ASTM D5185m      >20      125          INFRA-RED      method      limit/base      current      history1      history2        Soot %      %      *ASTM D7624      >3      1.5          Nitration      Abs/cm      *ASTM D7624      >20      12.3          Sulfation      Abs/.1mm      *ASTM D7624      >30      24.3          FLUID DEGRADATION      method      limit/base      current      history1      history2        Oxidation      Abs/.1mm      *ASTM D7614      >25      22.3	Sulfur	ppm	ASTM D5185m	2600	2676		
Sodium      ppm      ASTM D5185m      5          Potassium      ppm      ASTM D5185m      >20      125          INFRA-RED      method      limit/base      current      history1      history2        Soot %      %      *ASTM D7844      >3      1.5          Nitration      Abs/cm      *ASTM D7624      >20      12.3          Sulfation      Abs/.1mm      *ASTM D7415      >30      24.3          FLUID DEGRADATION      method      limit/base      current      history1      history2        Oxidation      Abs/.1mm      *ASTM D7414      >25      22.3	CONTAMINAN	ITS	method	limit/base	current	history1	history2
Potassium      ppm      ASTM D5185m      >20      125          INFRA-RED      method      limit/base      current      history1      history2        Soot %      %      *ASTM D7844      >3      1.5          Nitration      Abs/cm      *ASTM D7624      >20      12.3          Sulfation      Abs/.1mm      *ASTM D7415      >30      24.3          FLUID DEGRADATION      method      limit/base      current      history1      history2        Oxidation      Abs/.1mm      *ASTM D7414      >25      22.3	Silicon	ppm	ASTM D5185m	>25	8		
INFRA-REDmethodlimit/basecurrenthistory1history2Soot %%*ASTM D7844>31.5NitrationAbs/cm*ASTM D7624>2012.3SulfationAbs/lmm*ASTM D7415>3024.3FLUID DEGRADATIONmethodlimit/basecurrenthistory1history2OxidationAbs/lmm*ASTM D7414>2522.3	Sodium	ppm	ASTM D5185m		5		
Soot %      %      *ASTM D7844      >3      1.5          Nitration      Abs/cm      *ASTM D7624      >20      12.3          Sulfation      Abs/.1mm      *ASTM D7415      >30      24.3          FLUID DEGRADATION      method      limit/base      current      history1      history2        Oxidation      Abs/.1mm      *ASTM D7414      >25      22.3	Potassium	ppm	ASTM D5185m	>20	125		
Nitration      Abs/cm      *ASTM D7624      >20      12.3          Sulfation      Abs/.1mm      *ASTM D7415      >30      24.3          FLUID DEGRADATION      method      limit/base      current      history1      history2        Oxidation      Abs/.1mm      *ASTM D7414      >25      22.3	INFRA-RED		method	limit/base	current	history1	history2
Sulfation      Abs/.1mm      *ASTM D7415      >30      24.3          FLUID DEGRADATION      method      limit/base      current      history1      history2        Oxidation      Abs/.1mm      *ASTM D7414      >25      22.3	Soot %	%	*ASTM D7844	>3	1.5		
FLUID DEGRADATION  method  limit/base  current  history1  history2    Oxidation  Abs/.1mm  *ASTM D7414  >25  22.3	Nitration	Abs/cm	*ASTM D7624	>20	12.3		
Oxidation Abs/.1mm *ASTM D7414 >25 22.3	Sulfation	Abs/.1mm	*ASTM D7415	>30	24.3		
	FLUID DEGRA	DATION	method	limit/base	current	history1	history2
Base Number (BN)      mg KOH/g      ASTM D2896      5.9	Oxidation	Abs/.1mm	*ASTM D7414	>25	22.3		
	Base Number (BN)	mg KOH/g	ASTM D2896		5.9		







Report Id: MILNEW [WUSCAR] 06147078 (Generated: 04/15/2024 18:59:12) Rev: 1

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